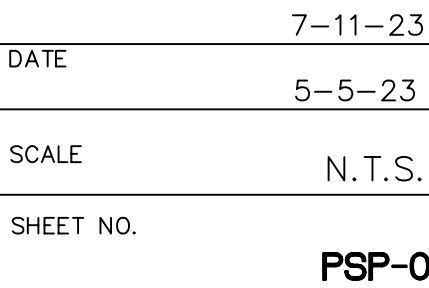




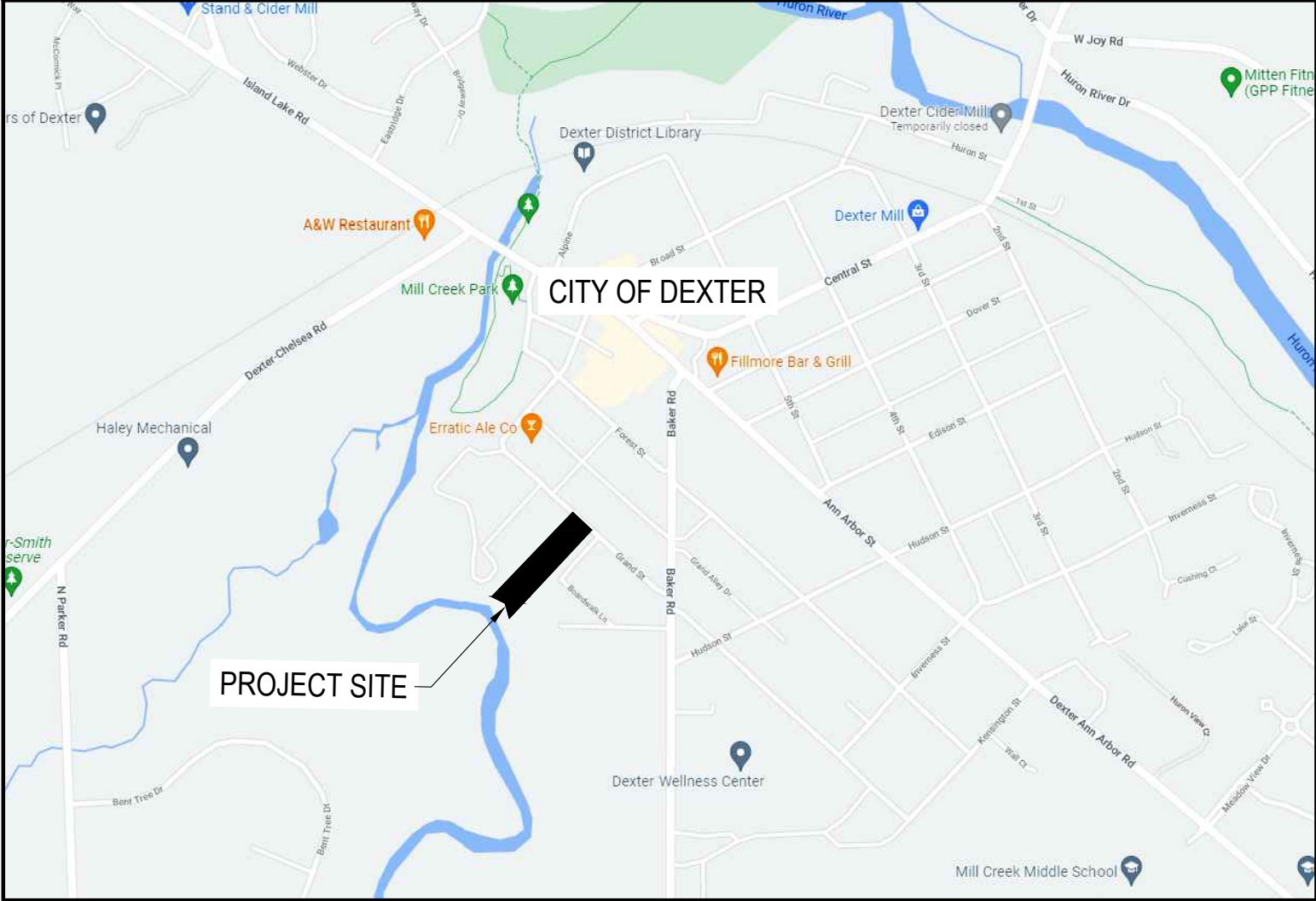
COMPARISON CHART			
	EXISTING	REQUIRED/ALLOWED	PROPOSED
ZONING	VC	VC	PUD
USES			
RESIDENTIAL	2 Unit	n/a	76 Units
LOT REQUIREMENTS			
LOT AREA MIN	GROSS 100,038 sf	9,000 sf	100,038 sf
	NET(EXCLUDING WETLAND)		97,738 sf
MIN LOT WIDTH	206.50 ft	60 ft	206.50 ft
BUILDING GROUND FLOOR AREA	4,510 sf	n/a	26,547 sf
LOT COVERAGE	5%	60%	27%
IMPERVIOUS AREA	n/a	n/a	60,519 sf
IMPERVIOUS AREA TO NET AREA	n/a	n/a	62%
BUILDING ENVELOPE			
FRONT	18.38 ft	15.00 ft	5.00 ft
REAR	165.43 ft	10.00 ft	54.89 ft
SIDE WEST	0.83 ft	10.00 ft	11.75 ft
SIDE EAST	38.00 ft	10.00 ft	10.84 ft
SIDE SETBACK COMBINED	38.83 ft	20.00 ft	22.59 ft
FRONTAGE BUILDOUT	27%	75%-90%	89%
BUILDING REQUIREMENTS			
DWELLING UNIT FLOOR AREA	n/a	500 sf min	600 sf - 1200 sf
GROUND FLOOR HEIGHT	n/a	12 ft min	15 ft
BUILDING HEIGHT BUILDING 1	15 ft	45 ft	49.50 ft
BUILDING HEIGHT BUILDING 2	15 ft	45 ft	50.40 ft
BUILDING HEIGHT	1.00	Stories	3.00
OFF STREET PARKING			
VEHICULAR PARKING 1.2 per unit w/o on street parking	n/a	91	85 on site 4 in ROW 1 in ROW
LOADING SPACE			
ADA PARKING	n/a	4	4
BICYCLE PARKING 1 per 20 parking spaces	n/a	4.6	10

*Reduced setback to better align with adjacent Grand View Commons

**Exterior bicycle parking only. Does not include interior spaces.



VICINITY MAP (NOT TO SCALE)



LEGAL DESCRIPTION:
(Tax ID No. 08-08-06-285-005, 7965 Grand Street, Dexter; WD L 4742, P 951, WCR)
Part of the Northwest 1/4 of Section 6, Town 2 South, Range 5 East, Scio Township, Village of Dexter, Washtenaw County, Michigan, described as follows: Commencing at a railroad spike in the centerline intersection of Grand and Baker streets; thence North 48° 11' 00" West 686.14 feet along the centerline of Grand Street (99 feet wide) to the point of beginning; thence South 37° 25' 00" West 490.31 feet; thence North 49° 06' 00" West 74.89 feet; thence North 69° 53' 00" West 99.13 feet; thence North 37° 37' 00" East 528.13 feet to the centerline of Grand Street; thence along said centerline South 48° 11' 00" East 168.05 feet to the point of beginning.

LEGAL DESCRIPTION:
(Tax ID No. 08-08-06-285-008, 7997 Grand Street, Dexter; Stewart Title Commitment, Commitment 114835)
Commencing at the intersection of the centerline of Baker Road with the centerline of Grand Street; thence North 47°59' West along said centerline of Grand Street, 854.19 feet for a PLACE OF BEGINNING; thence South 37°49' West, 496.17 feet; thence North 47°11' West, 68.86 feet; thence North 41°44' East, 493.87 feet to the centerline of Grand Street; thence South 47°59' West along said centerline, 34.96 feet to the PLACE OF BEGINNING; said parcel being a part of the Northwest 1/4 of Section 6, Town 2 South, Range 5 East.

BASIS OF BEARING:
ORIENTED TO STATE PLANE COORDINATE SYSTEM, NAD 83, SOUTH ZONE (2113), WITH THE CENTERLINE OF GRAND STREET BEARING, N48°02'39"W FOR REFERENCE.

NOTES

- HORIZONTAL DATUM IS ACCORDING TO STATE PLANE COORDINATES, NORTH AMERICAN DATUM OF 1983 (NAD 83), NORTH ZONE (2117).
- VERTICAL DATUM IS ACCORDING TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), SITE BENCHMARK REFERENCED HEREON.
- NO UTILITIES REFERENCED ON THIS PLAN. NO RESEARCH INTO UNDERGROUND UTILITY WAS PART OF SCOPE OF SERVICES.
- MISS DIG UTILITY INVENTORY SHOULD BE COMPLETED ON SITE TO DELINEATE UNDERGROUND UTILITY CONNECTIVITY, PRIOR TO EARTHWORK.

CERTIFICATE:
I HEREBY CERTIFY THAT I HAVE SURVEYED AND MAPPED THE LAND ABOVE PLATTED, AND OR DESCRIBED, AND THAT THE RATIO OF CLOSURE ON THE UNADJUSTED FIELD OBSERVATIONS OF SUCH SURVEY WAS NO GREATER THAN 1:5000, AND THAT ALL OF THE REQUIREMENTS OF P.A. 132, AS AMENDED, HAVE BEEN COMPLIED WITH.



John K. Piatt

TAX ID # 08-08-06-285-009
FOREST LAWN CEMETERY

TAX ID # 08-08-06-285-009
FOREST LAWN CEMETERY



TREE TABLE					
TREE ID	NORTHING	EASTING	ELEVATION	DBH/	SPECIES
5	304399.68	13252014.28	853.20	16"	MAPLE
6	304425.02	13252033.59	853.10	46"	MAPLE
8	304526.13	13252131.42	854.48	12"	CHERRY
9	304547.94	13252148.88	854.64	16"	CHERRY
10	304563.38	13252160.48	855.45	14"	CHERRY
32	304385.85	13252060.35	850.62	10"	PINE
202	304227.96	13252171.55	848.93	24"	WALNUT
203	304241.40	13252167.49	849.49	22"	LOCUST
206	304310.39	13252085.53	849.10	12"	WALNUT
207	304328.48	13252091.44	849.08	12"	WALNUT
208	304344.07	13252072.06	848.88	12"	BOXELDER
209	304348.35	13252069.48	849.41	10"	BOXELDER
211	304365.50	13252108.57	850.52	22"	OAK
212	304361.30	13252113.40	850.25	10"	OAK
213	304389.26	13252097.43	849.87	12"	WALNUT
214	304384.42	13252122.69	851.42	10"	WALNUT
215	304394.80	13252134.66	851.74	10"	WALNUT
216	304402.94	13252139.09	852.29	16"	POPLAR
2003	304442.79	13252135.84	853.13	32"	OAK
2004	304458.14	13252150.39	854.46	26"	WALNUT
2005	304492.66	13252175.61	855.28	22"	WALNUT
2006	304483.17	13252171.89	854.96	12"	WALNUT
2022	304248.69	13252199.44	853.12	20"	WALNUT
2023	304269.98	13252218.49	854.08	14"	WALNUT
2024	304290.60	13252229.31	854.99	14-18"	WALNUT
2025	304305.92	13252243.99	856.47	24"	WALNUT
2026	304316.96	13252234.50	855.23	10"	MAPLE
2027	304320.16	13252241.05	855.70	10"	MAPLE
2028	304343.11	13252272.30	857.37	16"	WALNUT
2029	304347.44	13252271.23	857.19	10"	WALNUT

TREE TABLE					
TREE ID	NORTHING	EASTING	ELEVATION	DBH/	SPECIES
2031	304399.14	13252308.23	858.53	18"	BOXELDER
2032	304401.53	13252309.89	858.77	12"	BOXELDER
2038	304504.67	13252258.56	856.91	18"	ELM
2039	304515.18	13252267.07	856.82	10"	BOXELDER
2040	304526.97	13252275.34	856.84	22"	ELM
2041	304534.28	13252283.80	857.00	12"	ELM
2042	304531.14	13252283.95	856.93	10"	ELM
2043	304541.16	13252290.22	857.10	10"	ELM
2044	304550.50	13252288.42	857.16	18"	BOXELDER
2045	304552.82	13252297.81	857.86	28"	SPRUCE
2046	304574.92	13252305.13	857.65	18-20"	ELM
2047	304575.21	13252313.61	858.44	30"	SPRUCE
2050	304535.81	13252208.49	855.58	12"	SPRUCE
2051	304494.57	13252205.70	856.03	12"	WALNUT
2052	304507.71	13252188.97	855.30	26"	WALNUT
2058	304491.64	13252298.20	856.98	22"	WALNUT
2061	304431.32	13252321.37	858.30	22"	WALNUT
2062	304433.37	13252331.32	858.81	20"	WALNUT
2063	304442.23	13252336.36	858.63	22-24"	ELM
2064	304436.83	13252344.59	858.64	16-18"	ELM
2065	304445.20	13252349.15	858.66	24-26"	ELM
2075	304573.59	13252437.14	861.60	34"	MAPLE
2096	304670.14	13252337.03	858.55	6"	ORNAMENTAL
2098	304691.18	13252327.62	858.56	14"	WALNUT
2099	304607.56	13252335.82	858.36	20"	BOXELDER
2104	304624.54	13252383.28	859.00	6"	ORNAMENTAL
2107	304598.20	13252386.66	859.29	12"	CEDAR
3367	304386.00	13251999.08	853.00	16"	WALNUT
3368	304371.92	13251991.91	851.29	40"	DEAD

LEGEND

- SECTION CORNER
- FOUND IRON PIPE
- SET IRON PIPE
- EX. FENCE LINE
- RECORD DIM.
- MEASURE DIM.
- PROPERTY LINE
- TOP/ TOE OF SLOPE
- EDGE OF LAKE
- UNDERGROUND UTILITIES
- OVERHEAD ELECTRIC
- FENCELINE
- CONTOUR (MAJOR)
- CONTOUR (MINOR)
- UTILITY POLE
- TREE LOCATION AND IDENTIFICATION INFO.
- GRINDER PUMP
- POTABLE WATER WELL
- SOIL BORINGS
- WATER SHUTOFF

SCALE: 1" = 30'

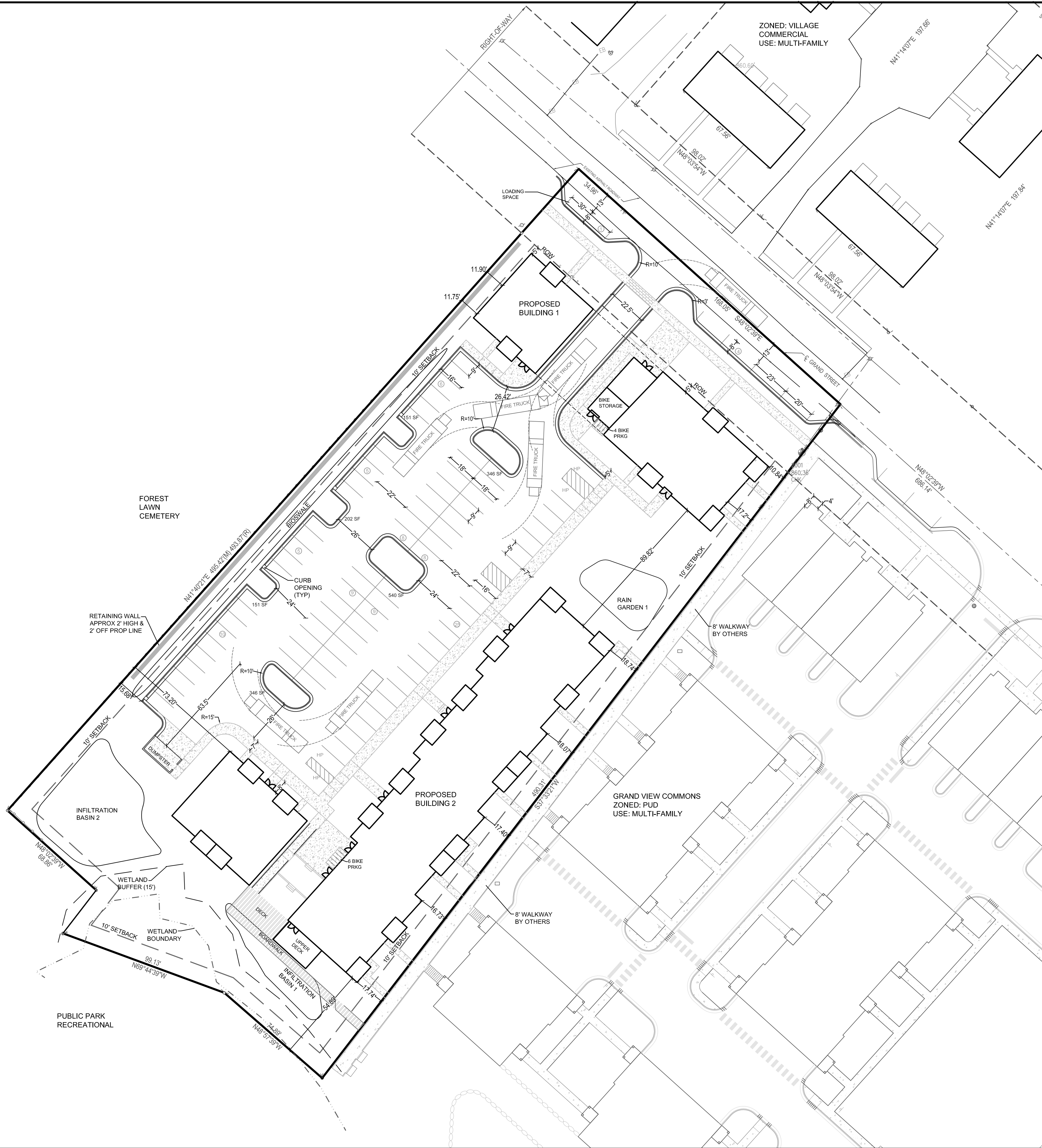
DATE: 6/07/2022

REV:

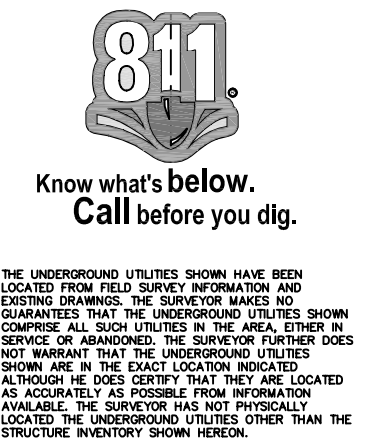
REV:

JOB NO: 2022-0025A

SHEET: 1 OF 1

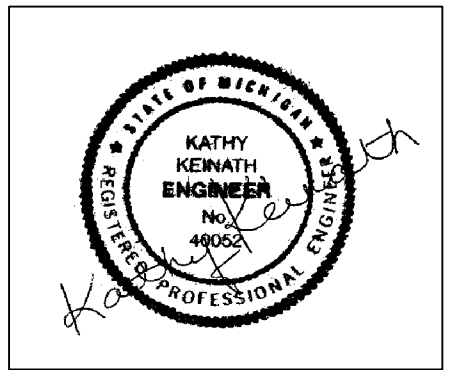


- LEGEND
- SECTION CORNER
 - FOUND IRON PIPE
 - SET IRON PIPE
 - EX. FENCE LINE
 - RECORD DIM.
 - MEASURE DIM.
 - PROPERTY LINE
 - TOP/ TOE OF SLOPE
 - EDGE OF LAKE
 - UNDERGROUND UTILITIES
 - OVERHEAD ELECTRIC
 - FENCELINE
 - CONTOUR (MAJOR)
 - CONTOUR (MINOR)
 - UTILITY POLE
 - TREE LOCATION AND IDENTIFICATION INFO.
 - GRINDER PUMP
 - POTABLE WATER WELL
 - SOIL BORINGS
 - WATER SHUTOFF
 - PR STORM SEWER
 - PR SANITARY SEWER
 - PR WATER MAIN
 - PR GAS
 - PR CURB AND GUTTER
 - PR CONTOUR
 - PR CONCRETE
 - PR STAMPED CONCRETE
 - PR TREE FENCE
 - PR SILT FENCE
 - PR INLET FILTER



Macon Engineering, LLC.
PO Box 314, Chelsea, MI 48118 734-216-9941

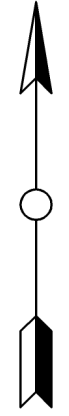
GRAND STREET
DEXTER, MI
PRELIMINARY SITE PLAN
LAYOUT



7-11-23
6-22-23
DATE
5-5-23
SCALE
1"=30'
SHEET NO.



- LEGEND
- SECTION CORNER
 - FOUND IRON PIPE
 - SET IRON PIPE
 - EX. FENCE LINE
 - RECORD DIM.
 - MEASURE DIM.
 - PROPERTY LINE
 - TOP/ TOE OF SLOPE
 - EDGE OF LAKE
 - UNDERGROUND UTILITIES
 - OVERHEAD ELECTRIC
 - FENCELINE
 - CONTOUR (MAJOR)
 - CONTOUR (MINOR)
 - UTILITY POLE
 - TREE LOCATION AND IDENTIFICATION INFO.
 - GRINDER PUMP
 - POTABLE WATER WELL
 - SOIL BORINGS
 - WATER SHUTOFF
 - PR STORM SEWER
 - PR SANITARY SEWER
 - PR WATER MAIN
 - PR GAS
 - PR CURB AND GUTTER
 - PR CONTOUR
 - PR CONCRETE
 - PR STAMPED CONCRETE
 - PR TREE FENCE
 - PR SILT FENCE
 - PR INLET FILTER
 - TREE REMOVAL



Know what's below.
Call before you dig.

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING RECORDS. THE SURVEYOR HAS NOT BEEN ADVISED OF ANY CHANGES TO THE UTILITIES SINCE THE SURVEY WAS COMPLETED. ANY CHANGES TO THE UTILITIES SINCE THE SURVEY WAS COMPLETED ARE THE RESPONSIBILITY OF THE USER. THE SURVEYOR HAS NOT BEEN ADVISED OF ANY CHANGES TO THE UTILITIES SINCE THE SURVEY WAS COMPLETED. ANY CHANGES TO THE UTILITIES SINCE THE SURVEY WAS COMPLETED ARE THE RESPONSIBILITY OF THE USER.

Macon Engineering, LLC.

PO Box 314, Chelsea, MI 48118 734-216-9941

GRAND STREET
DEXTER, MI

PRELIMINARY SITE PLAN
GRADING

7-11-23

6-22-23

DATE

5-5-23

SCALE

1"=30'

SHEET NO.

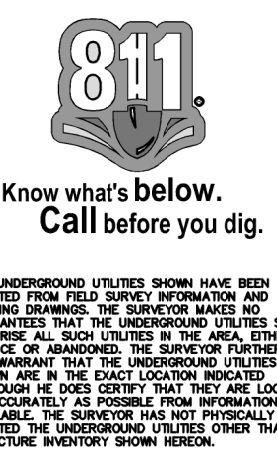
PSP-04

FROM MH	TO MH	ACRES A	IMPER/FOOT C	EQUIV. AREA A * C	ADD. AREA A * C	SUM OF A * C	INTENSITY I	TIME OF CONCENTRATION	RUNOFF (CFS) Q	PIPE CAPACITY (CFS)	LENGTH OF PIPE	PIPE DIAMETER IN	HYDRAULIC GRADIENT SLOPE %	ACTUAL SLOPE USED	VELOCITY FLOWING FULL (FPS)	TIME (MIN)	HG ELEV UPPER END	HG ELEV LOWER END	RIM ELEV UPPER END	INVERT UPPER END	INVERT LOWER END	DEPTH COVER	HG DEPTH
R-1	R-3	0.03	0.773	0.02	0.00	0.02	3.89	20.00	0.08	2.66	106	12	0.000%	0.40%	2.87	0.62	856.47	856.05	859.67	855.67	855.25	3.00	3.20
R-2	R-3	0.00	0.000	0.00	0.00	0.00	3.89	20.00	0.00	2.66	39	12	0.000%	0.40%	2.87	0.23	853.97	853.81	856.67	853.17	853.01	2.50	2.70
R-3	R-4	0.00	0.00	0.00	0.02	0.02	3.84	20.62	0.08	4.21	197	12	0.000%	1.00%	4.54	0.72	853.61	852.70	859.82	852.81	850.84	6.01	6.21
R-9	R-4	0.22	0.95	0.21	0.00	0.21	3.89	20.00	0.82	6.77	41	12	0.052%	2.59%	7.30	0.09	852.70	851.64	855.90	851.90	850.84	3.00	3.20
R-4	R-5	0.00	0.00	0.00	0.23	0.23	3.83	20.72	0.88	4.55	59	12	0.061%	1.17%	4.91	0.20	851.44	850.75	854.84	850.64	849.95	3.20	3.40
R-5	R-6	0.00	0.00	0.00	0.23	0.23	3.81	20.92	0.88	2.66	74	12	0.060%	0.40%	2.87	0.43	850.55	850.25	853.95	851.75	849.45	3.20	3.40
R-7	R-8	0.21	0.950	0.20	0.00	0.20	3.89	20.00	0.78	2.66	43	12	0.047%	0.40%	2.87	0.25	859.42	859.25	862.62	858.62	858.45	3.00	3.20



- | LEGEND | |
|--------|--|
| | SECTION CORNER |
| | FOUND IRON PIPE |
| | SET IRON PIPE |
| | EX. FENCE LINE |
| | RECORD DIM. |
| | MEASURE DIM. |
| | PROPERTY LINE |
| | TOP/ TOE OF SLOPE |
| | EDGE OF LAKE |
| | UNDERGROUND UTILITIES |
| | OVERHEAD ELECTRIC |
| | FENCELINE |
| | CONTOUR (MAJOR) |
| | CONTOUR (MINOR) |
| | UTILITY POLE |
| | TREE LOCATION AND IDENTIFICATION INFO. |
| | GRINDER PUMP |
| | POTABLE WATER WELL |
| | SOIL BORINGS |
| | WATER SHUTOFF |
| | PR STORM SEWER |
| | PR SANITARY SEWER |
| | PR WATER MAIN |
| | PR GAS |
| | PR CURB AND GUTTER |
| | PR CONTOUR |
| | PR CONCRETE |
| | PR STAMPED CONCRETE |
| | PR TREE FENCE |
| | PR SILT FENCE |
| | PR INLET FILTER |
| | EX TREE |

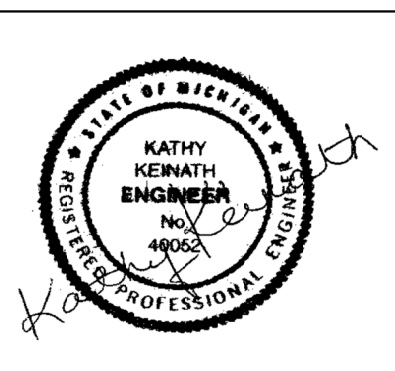
NOTES:
1. SANITARY LIFT STATION TO BE PRIVATE AND MAINTAINED BY THE DEVELOPMENT.



Macon Engineering, LLC.
PO Box 314, Chelsea, MI 48118 734-216-9941

GRAND STREET
DEXTER, MI

PRELIMINARY SITE PLAN
UTILITIES AND FIRE PROTECTION



	7-11-23
	6-22-23
DATE	5-5-23
SCALE	1"=30'
SHEET NO.	PSP-05

ALL LANDSCAPE MATERIALS, INSTALLATION, AND MAINTENANCE SHALL COMPLY W/ ZONING ORDINANCE .

PLANTING PERIOD SHALL BE: MARCH 15 - NOV. 15 ANTICIPATED: 2020

ALL LANDSCAPE AREAS SHALL BE PROVIDED WITH A READILY AVAILABLE AND ACCEPTABLE WATER SUPPLY OR WITH AT LEAST ONE (1) OUTLET LOCATED WITHIN ONE HUNDRED (100) FEET OF ALL PLANT MATERIAL TO BE MAINTAINED.

NO PLANTINGS GREATER THAN 6" HIGH SHALL BE PLANTED WITHIN FIFTEEN (15) FEET OF FIRE HYDRANTS. PLANT MATERIAL SHALL NOT BLOCK VISIBILITY OF HYDRANT.

TREES							
QTY	SYM	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	ROOT	COMMENTS
3	AD	<i>Alnus incana</i> ssp. <i>"Autumn Brilliance"</i>	Autumn Brilliance Serruleberry	7'3" ft.	as shown	B&B	Minimum 5 stems
3	AR	Aster "October Glory"	October Glory Red Aster	3' ca.	as shown	B&B	Single straight trunk
5	AS	Aster "Green Mountain"	Green Mountain Sugar Maple	2'5" ca.	as shown	B&B	Single straight trunk
4	CA	<i>Carpinus betulus</i> ssp. <i>"Glauca"</i>	European Hornbeam	2'5" ca.	as shown	B&B	Single straight trunk
3	CC	Cercis "Coral Magic"	Redbuds	4'5" ft.	as shown	B&B	Single straight trunk
4	CK	<i>Cornus kousa</i> "Mikoyuki"	Mikoyuki Kousa Dogwood	2'5" ca.	as shown	B&B	Single straight trunk
5	CR	Cercis canadensis	Northern Hornbush	3' ca.	as shown	B&B	Single straight trunk
4	GT	<i>Gleditsia</i> ssp. "Skyline"	Skyline Honeylocust	3' ca.	as shown	B&B	Single straight trunk
1	LA	<i>Larix laricina</i>	Eastern Larch	7' ft.	as shown	B&B	Single straight trunk
5	LI	<i>Linderothia lupulus</i>	Tea Tree	3' ca.	as shown	B&B	Single straight trunk
4	PA	<i>Patula x. acerifolia</i> "Landscape"	Bloodgood London Plane Tree	2'5" ca.	as shown	B&B	Single straight trunk
7	QM	<i>Quercus macrocarpa</i>	Bur Oak	3' ca.	as shown	B&B	Single straight trunk
15	QN	<i>Quercus rubra</i> ssp. "Nancy"	Kinked Spill Oak	2'5" ca.	as shown	B&B	Single straight trunk
4	PR	<i>Prunus rubra</i>	Red Oak	2'5" ca.	as shown	B&B	Single straight trunk
5	TA	<i>Tilia americana</i> "Redmond"	Redmond American Basswood	2'5" ca.	as shown	B&B	Single straight trunk
SHRUBS							
56	AM	<i>Aronia melanocarpa</i> "Low Scape Hedge"	Low Scape Hedge Black Chokeberry	24" ft.	as shown	cont.	Well rooted
5	CS	<i>Cornus sericea</i>	Red Osier Dogwood	30" ft.	as shown	cont.	Well rooted
5	PH	<i>Physocarpus</i> ssp. "Little Quick Fire"	Little Quick Fire Hydrangea	30" ft.	as shown	cont.	Well rooted
4	HQ	<i>Hydrangea</i> ssp. "Ruby Slippers"	Ruby Slippers Chokeberry	30" ft.	as shown	cont.	Well rooted
4	LB	<i>Lindera</i> ssp.	Spicebush	30" ft.	as shown	cont.	Well rooted
7	DO	<i>Physocarpus</i> ssp. "Summer Wine"	Summer Wine Lindebar	30" ft.	as shown	cont.	Well rooted
3	RC	<i>Rhododendron</i> ssp. "Boursault"	Boursault Rhododendron	30" ft.	as shown	cont.	Well rooted
54	TO	<i>Taxus x m. "Densiformis"</i>	Dense Yew	24" spd	as shown	B&B	Trim to hedge
1	VB	<i>Viburnum lentago</i>	Namhyung Viburnum	36" ft.	as shown	B&B	
9	VP	<i>Viburnum p. "Shasta"</i>	Shasta Doublefile Viburnum	36" ft.	as shown	B&B	
PERENNIALS							
35	AO	<i>Aster</i> ssp. "October Skies"	October Skies Aster	1 gal.	as shown	cont.	Well rooted
35	CM	<i>Carex muskumensis</i>	Palm Sedge	1 gal.	18" o.c.	cont.	Well rooted
25	CV	<i>Carex vesicarpa</i>	Flr. Sedge	1 gal.	18" o.c.	cont.	Well rooted
42	EP	<i>Echinops p. "Magnus"</i>	Magnus Purple Coneflower	1 gal.	as shown	cont.	Well rooted
46	HH	<i>Hasta "Hercyn"</i>	Hercyn Hosta	1 gal.	as shown	cont.	Well rooted
18	HPP	<i>Hebe p. "Shasta Purple"</i>	Shasta Purple Corolla	1 gal.	as shown	cont.	Well rooted
67	IS	<i>Isoplexis</i>	Blue Iris	1 gal.	18" o.c.	cont.	Well rooted
17	PU	<i>Panicum v. "Shenandoah"</i>	Shenandoah Switchgrass	2 gal.	as shown	cont.	Well rooted
126	PNH	<i>Panicum v. "Heavy Metal"</i>	Heavy Metal Switchgrass	2 gal.	as shown	cont.	Well rooted
10	SP	<i>Sporobolus</i> ssp.	Spikes of Grass	1 gal.	18" o.c.	cont.	Well rooted
10	SI	<i>Sisyrinchium</i> ssp.	Indian Grass	2 gal.	as shown	cont.	Well rooted

SECTION 6:11 LANDSCAPE SCREENING BUFFER BETWEEN LAND USES	<u>Required</u>	<u>Provided</u>
Multi-Family to Multi-family East Side	n/a	n/a
Multi-Family to Cemetery West Side	n/a	See L-2
Multi-Family to Public South Rear	n/a	n/a

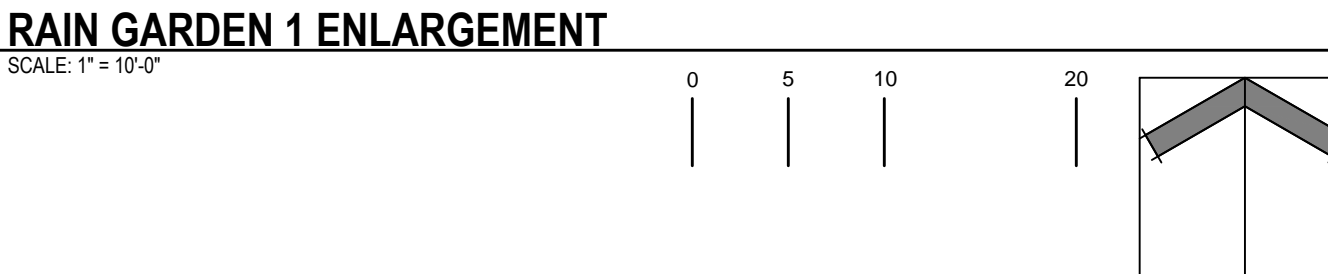
Village Commercial	n/a	n/a
--------------------	-----	-----

islands					
three percent (3%) of the total parking lot	26,709 sf	801	sf	1582	sf
Landscaping					
25 through 100 spaces: 1 canopy/deciduous tree and 100 s.f. of landscaped area per 10 spaces, rounded upward.	85 spaces				
trees	9	ea	9	ea	
landscaped area	850	sf	1582	sf	

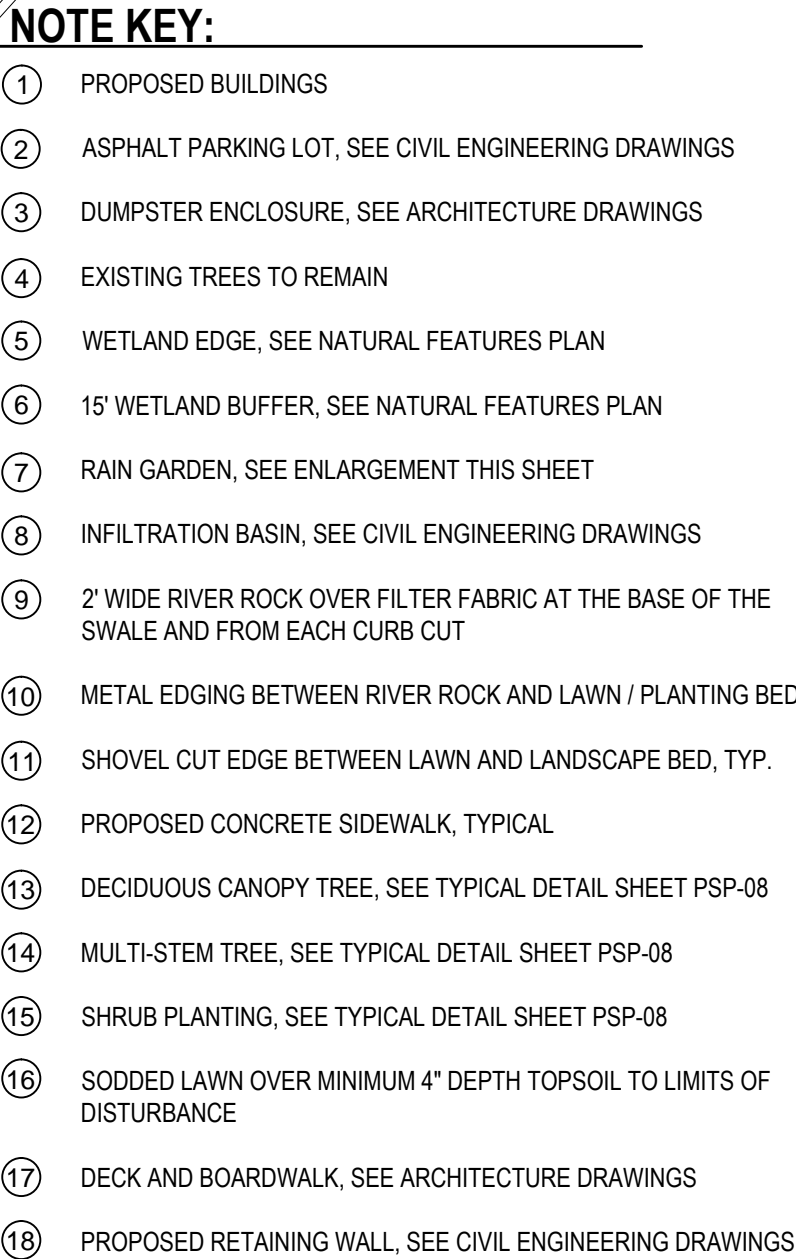
Screening from public street	n/a	n/a
------------------------------	-----	-----

Street Trees Form Based					
One (1) street tree/canopy tree is required at a minimum of every thirty (30) lineal feet or a maximum of every forty (40) lineal feet	206.5 ft	5.1 to 6.9	ea	1 ex 5 pr	ea

12" to 23.9" Trees	(3 trees for each at 2.5" cal)	7 ea	21	ea	21	ea
8" to 11.9" Trees	(2 trees for each at 2.5" cal)	2 ea	4	ea	4	ea
Ladmark Trees	(1:1 DBH at 3" cal)	220 in	73	ea	58	ea
	Total		98	ea	83	ea
					84%	



SCALE: 1" = 30'-0"



07.12.2023 Site Plan Review

Project: _____

7965 & 7997 Grand Street
Dexter, Michigan

Project Sponsor:

Grand Street Development Group
8255 Cascade Street
Commerce Twp., MI 48382

MAVD

2723 S. State Street, Suite 250
Ann Arbor, MI 48104

Sheet Name:

Seal:

Drawn: JG
Checked: JG
Date: 06.2023
Scale: AS NOTED

Project Number:

23.032

Sheet Number:

PSP-07

© 2023 Vert Verde Landscape Architecture, LLC



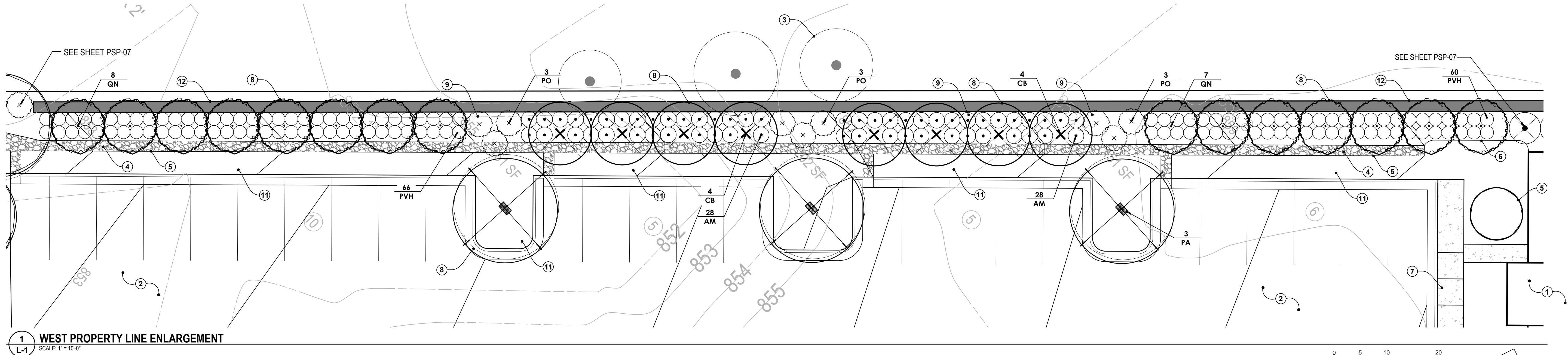
Drawn: JG
Checked: JG
Date: 06.2023
Scale: AS NOTED

Project Number:

23.032

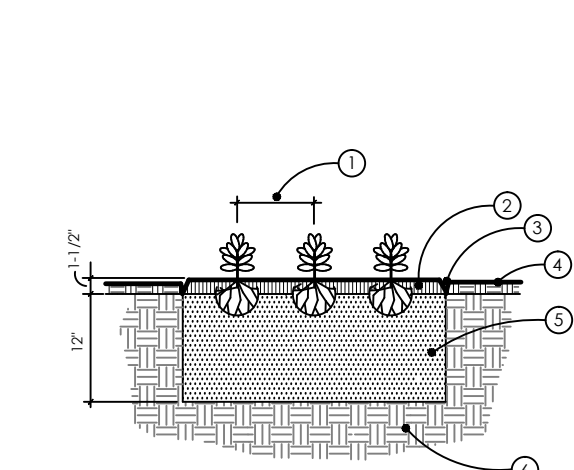
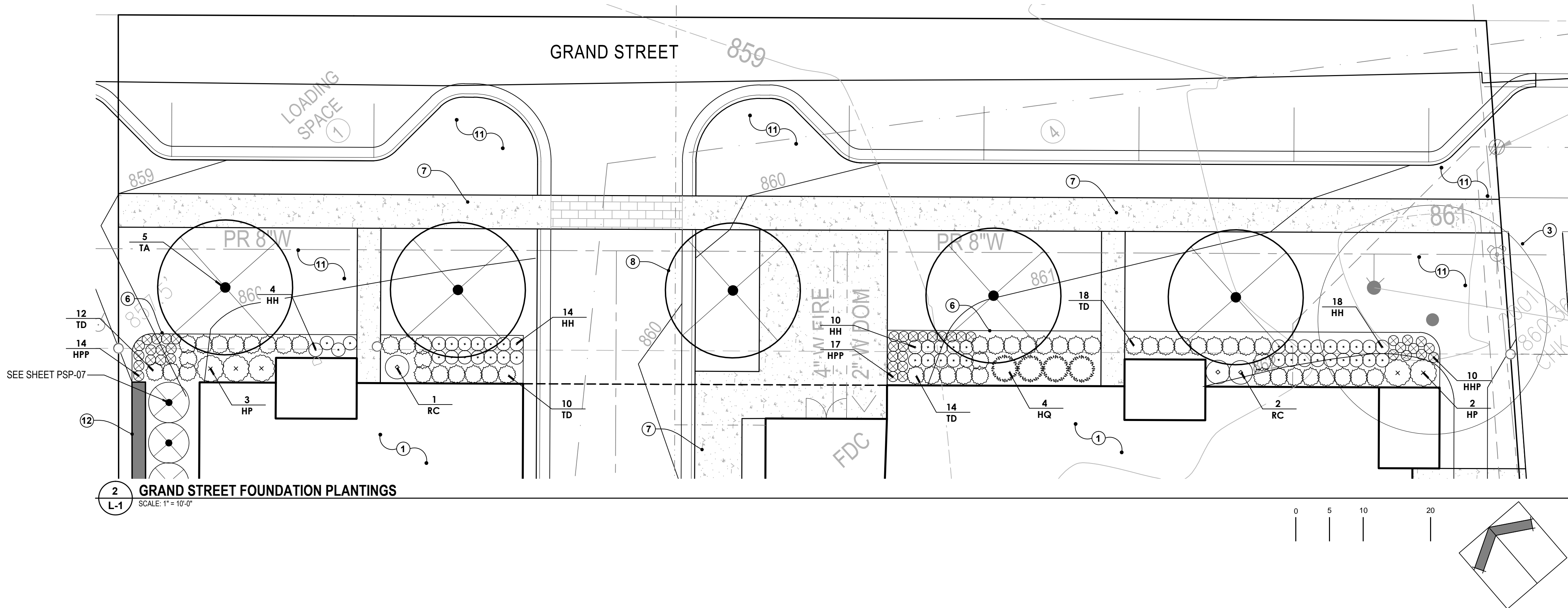
Sheet Number:

PSP-08



NOTE KEY:

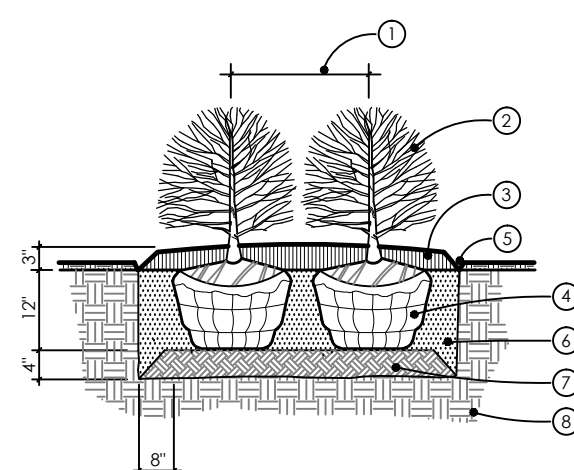
- PROPOSED BUILDINGS
- ASPHALT PARKING LOT, SEE CIVIL ENGINEERING DRAWINGS
- EXISTING TREES TO REMAIN
- 2' WIDE RIVER ROCK OVER FILTER FABRIC AT THE BASE OF THE SWALE AND FROM EACH CURB CUT
- METAL EDGING BETWEEN RIVER ROCK AND LAWN / PLANTING BED
- SHOVEL CUT EDGE BETWEEN LAWN AND LANDSCAPE BED, TYP.
- PROPOSED CONCRETE SIDEWALK, TYPICAL
- DECIDUOUS CANOPY TREE, SEE TYPICAL DETAIL
- SHRUB PLANTING, SEE TYPICAL DETAIL
- ORNAMENTAL TREE, SEE SHEET PSP-07
- SOODED LAWN OVER MINIMUM 4" DEPTH TOPSOIL TO LIMITS OF DISTURBANCE
- PROPOSED RETAINING WALL, SEE CIVIL ENGINEERING DRAWINGS



- NOTES:
- CONTRACTOR TO VERIFY PERCOLATION OF PLANTING PIT PRIOR TO INSTALLATION
 - SEE PLANT SCHEDULE FOR SPACING
 - 2" DEPTH CANADIAN PEAT TOP DRESSING OR 2" DEPTH DOUBLE SHREDDED HARDWOOD MULCH
 - SHOVEL CUT OR METAL EDGE. SEE PLAN
 - FINISH GRADE
 - EXCAVATE EXISTING SOIL TO 12" DEPTH. REPLACE WITH PLANT MIX
 - UNDISTURBED SUBGRADE

4 PERENNIAL / GROUNDCOVER PLANTING

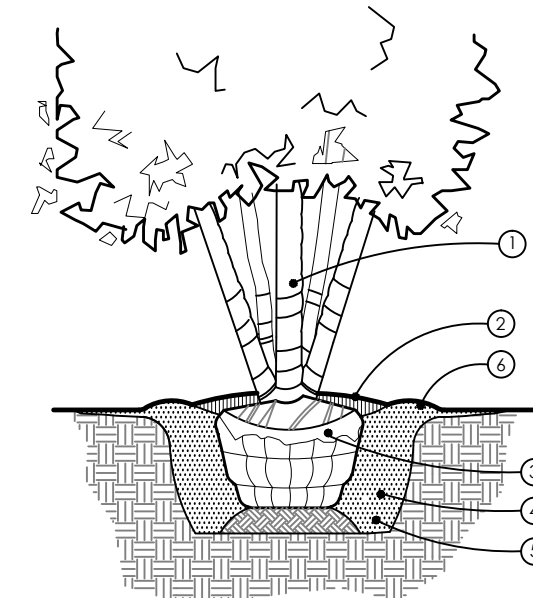
NOT TO SCALE



3 SHRUB PLANTING

NOT TO SCALE

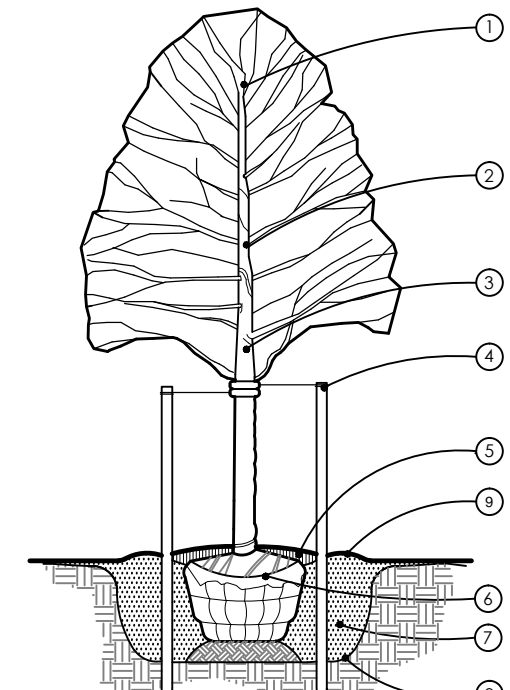
- NOTES:
- CONTRACTOR TO VERIFY PERCOLATION OF PLANTING PIT PRIOR TO INSTALLATION
 - SET TOP OF ROOTBALL 2" ABOVE FINISH GRADE
 - SEE PLAN FOR SPACING
 - SHRUBS, SEE PLANT SCHEDULE
 - 3" DEPTH DOUBLE SHREDDED HARDWOOD MULCH, TYPICAL
 - REMOVE ALL NON-BIODEGRADABLE TWINE FROM ENTIRE ROOTBALL. REMOVE BURLAP FROM TOP 1/2 OF ROOTBALL
 - SHOVEL CUT OR METAL EDGE. SEE PLAN
 - EXCAVATE EXISTING SOIL TO 12" DEPTH. REPLACE WITH PLANT MIX
 - SCARIFY TO 4" DEPTH AND RECOMPACT
 - UNDISTURBED SUBGRADE
 - MINIMUM 8" BETWEEN ROOTBALL AND EDGE OF PLANTING PIT



2 MULTISTEM TREE PLANTING

NOT TO SCALE

- NOTES:
- CONTRACTOR TO VERIFY PERCOLATION OF PLANTING PIT PRIOR TO INSTALLATION
 - SET TOP OF ROOTBALL 3" ABOVE FINISH GRADE
 - REMOVE ALL TAGS, STRINGS, PLASTICS, AND ANY OTHER MATERIALS WHICH ARE UNSIGHTLY OR COULD CAUSE GIRDING.
 - COVER PLANTING W/ 3" DOUBLE SHREDDED HARDWOOD BARK MULCH. MINIMUM 6" DIA. LEAVE 3" CIRCLE OF BARE SOIL AROUND BASE OF THE STEMS.
 - REMOVE ALL NON-BIODEGRADABLE MATERIALS FROM THE ROOTBALL. FOLD DOWN ALL BURLAP AND REMOVE WIRE BASKET FROM THE TOP 1/2 OF THE ROOTBALL
 - PLANT MIX
 - TREE PIT TO BE THREE TIMES WIDTH OF ROOTBALL
 - 4" TOPSOIL SAUCER



1 DECIDUOUS TREE PLANTING

NOT TO SCALE

- REMOVE SECONDARY LEADERS. DO NOT PRUNE TERMINAL LEADER OR BRANCH TOPS. PRUNE ALL DEAD AND BROKEN BRANCHES.
- REMOVE ALL TAGS, STRINGS, PLASTICS, AND ANY OTHER MATERIALS WHICH ARE UNSIGHTLY OR COULD CAUSE GIRDING.
- STAKE TREES JUST BELOW FIRST BRANCH W/ 2"x2" WIDE BELT-LIKE, FABRIC STRAPS ONLY, ABOVE TE OR APPROVED EQUAL. (CONNECT FROM TREE TO STAKE OPPOSITE FROM EACH OTHER, AND ALLOW FOR SOME 'FLEXING') DO NOT USE WIRE OR HOPE THROUGH A HOSE. REMOVE AFTER ONE YEAR.
- (2) 2"x2" HARDWOOD STAKES OR EQUIVALENT DRIVEN 6"-8" OUTSIDE OF ROOTBALL. REMOVE AFTER ONE YEAR.
- COVER PLANTING W/ 3" DOUBLE SHREDDED HARDWOOD BARK MULCH. MINIMUM 6" DIA. LEAVE 3" CIRCLE OF BARE SOIL AROUND THE BASE OF THE TRUNK.
- REMOVE ALL NON-BIODEGRADABLE MATERIALS FROM THE ROOTBALL. FOLD DOWN ALL BURLAP AND REMOVE WIRE BASKET FROM THE TOP 1/2 OF THE ROOTBALL.
- PLANT MIX
- TREE PIT TO BE 3 TIMES WIDTH OF ROOTBALL
- 4" TOPSOIL SAUCER

- NOTES:
- STAKE TREES 3"-5" CALIPER ONLY
 - GUY TREES 6" CALIPER AND OVER
 - CONTRACTOR TO VERIFY PERCOLATION OF PLANTING PIT PRIOR TO INSTALLATION
 - SET STAKES VERTICAL AND EVENLY SPACED
 - STAKES OR GUYS TO BE ABOVE FIRST BRANCH
 - TREE SHALL BEAR SAME RELATION TO FINISH GRADE AS IT BORE ORIGINALLY OR SLIGHTLY HIGHER THAN FINISH GRADE UP TO 4" ABOVE GRADE. IF DIRECTED BY LANDSCAPE ARCHITECT FOR HEAVY CLAY SOIL AREAS.



THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPOSE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE, THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES OTHER THAN THOSE

Macon Engineering, LLC.
PO Box 314, Chelsea, MI 48118 734-216-9941

GRAND STREET
DEXTER, MI

PRELIMINARY SITE PLAN
STORM WATER MANAGEMENT



7-11-23

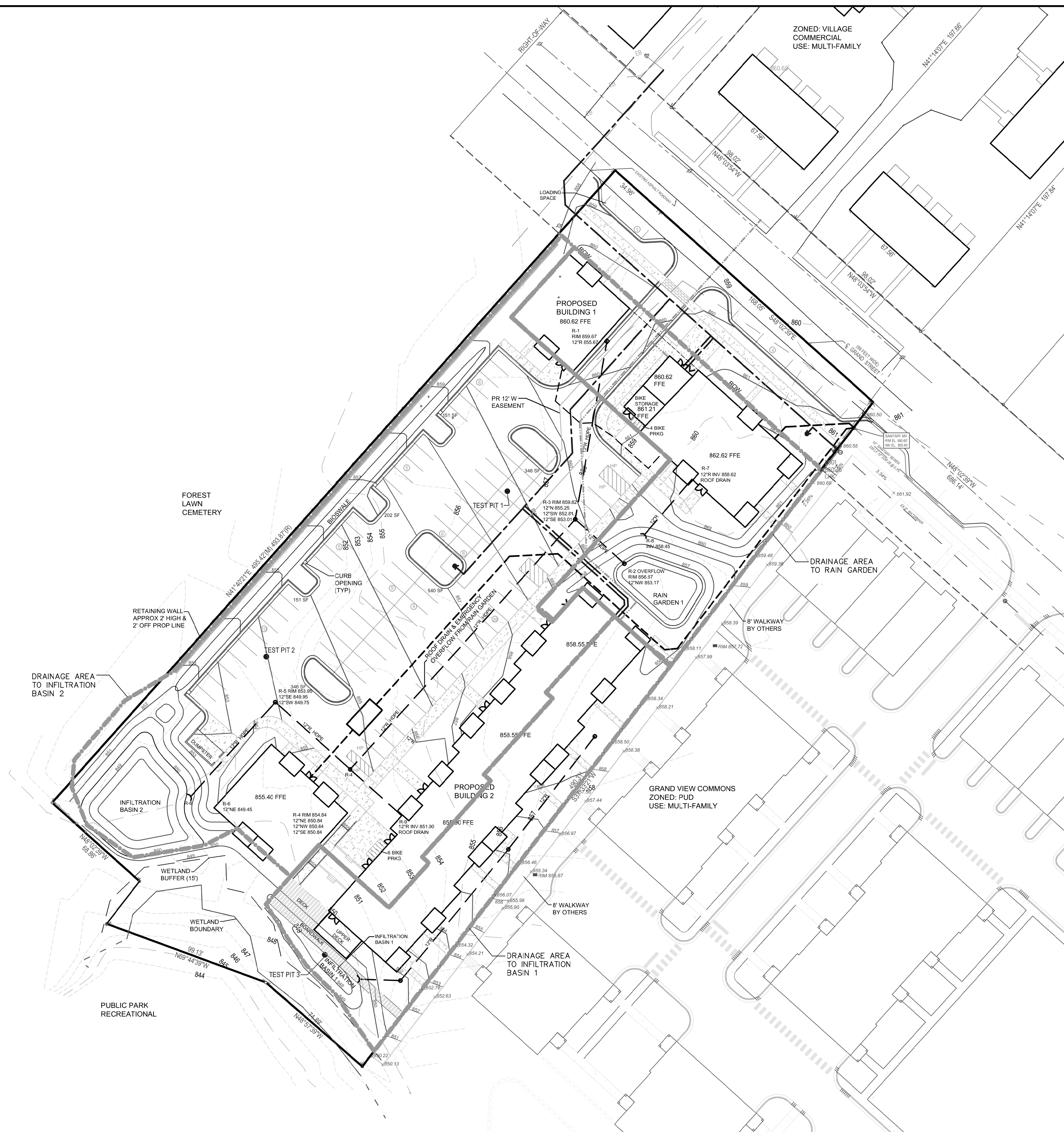
6-22-23

5-5-23

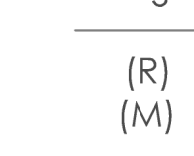
SCALE 1"=30'

SHEET NO

PSP-09



LEGEND



	PROPERTY LINE
	TOP/ TOE OF SLOPE
	EDGE OF LAKE
	UNDERGROUND UTILITIES
	OVERHEAD ELECTRIC
	FENCELINE
	CONTOUR (MAJOR)
	CONTOUR (MINOR)
	UTILITY POLE
	TREE LOCATION AND IDENTIFICATION INFO.
EL. 885.76 12" OAK	
	GRINDER PUMP
	POTABLE WATER WELL
	SOIL BORINGS
	WATER SHUTOFF
	PR STORM SEWER
	PR SANITARY SEWER
	PR WATER MAIN
	PR GAS
	PR CURB AND GUTTER
	PR CONTOUR
	PR CONCRETE
	PR STAMPED CONCRETE
	PR TREE FENCE
	PR SILT FENCE
	PR INLET FILTER

STORM WATER MANAGEMENT:
THE STORM WATER MANAGEMENT SYSTEM OPTIMIZES
THE INFILTRATION CAPACITY OF THE SOILS ON
THE SITE AND HAS BEEN SIZED TO PROVIDE TREATMENT
OF THE 100 YEAR STORM EVENT BASED ON THE
DESIGN STANDARDS OF THE WASHTENAW COUNTY
WATER RESOURCES COMMISSION. THE SYSTEM IS
SEPARATED INTO THREE AREAS.

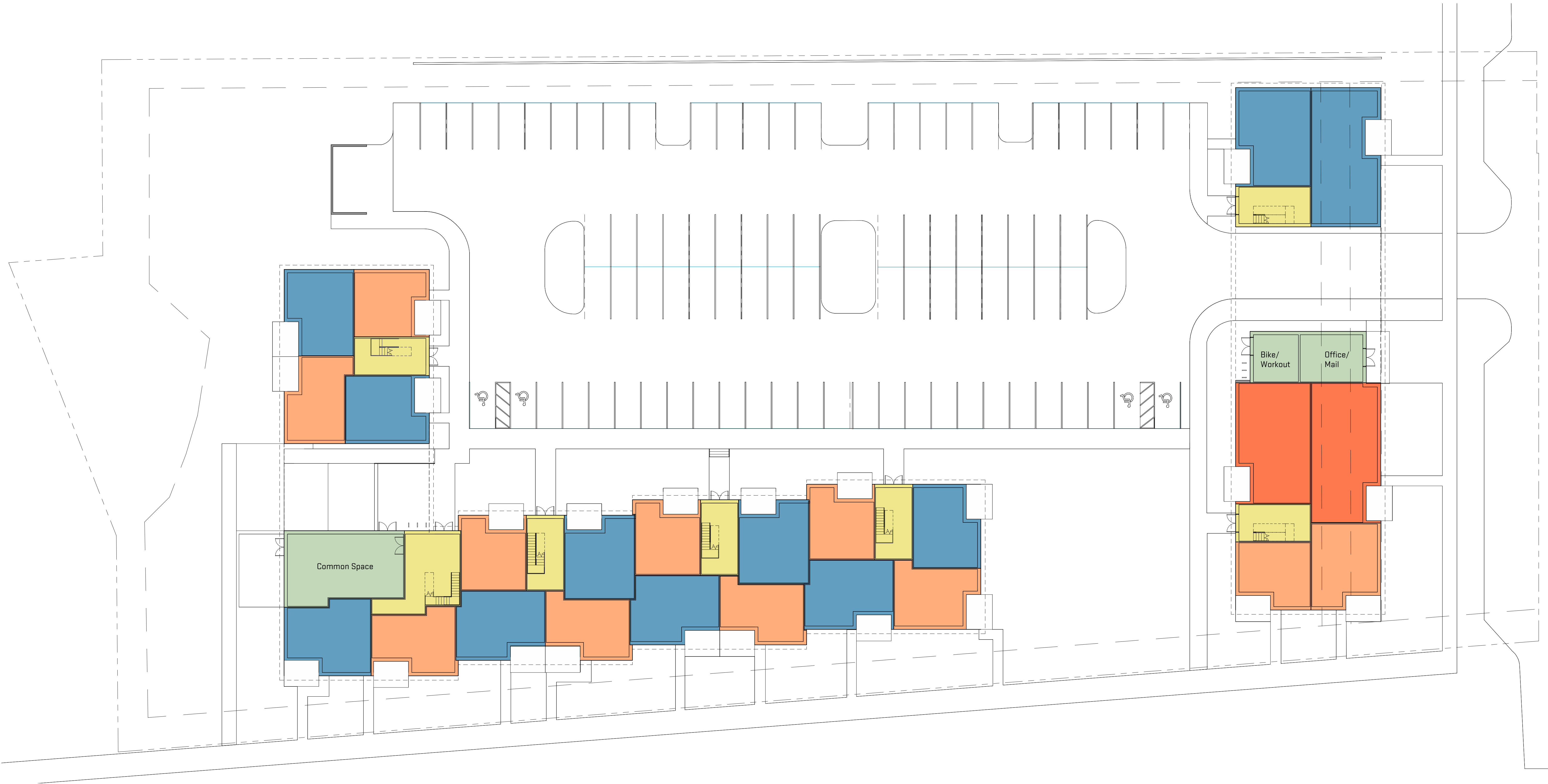
THE FIRST AREA INCLUDES BUILDING 1 AND THE AREA SURROUNDING THAT FLOWS TO THE RAIN GARDEN. THE RAIN GARDEN IS SIZED TO INFILTRATE ALL OF THE RUNOFF COLLECTED FROM THE DRAINAGE AREA. THERE IS AN OVERFLOW STRUCTURE LOCATED IN THE RAIN GARDEN AT THE HIGH WATER ELEVATION THAT WOULD OVERFLOW TO THE PIPE THAT RUNS TO INFILTRATION BASIN 2. THE OVERFLOW WOULD ONLY ACT AS AN EMERGENCY OVERFLOW AS ALL OF THE WATER STORED IN THE RAIN GARDEN IS DESIGNED TO INFILTRATE.

THE SECOND DRAINAGE AREA INCLUDES THE EASTERN PORTION OF THE ROOF FROM BUILDING 2 AND THE SURROUNDING AREA. INFILTRATION BASIN 1 HAS BEEN DESIGNED TO INFILTRATE ALL OF THE RUNOFF FROM THIS AREA.

THE THIRD AREA INCLUDES THE PARKING LOT, THE WESTERN PORTION OF THE ROOF FOR BUILDING 2 AND THE SURROUNDING AREA. THE FOREBAY HAS BEEN SIZED TO PROVIDE PRETREATMENT OF THE RUNOFF FROM THE PARKING LOT. CURB CUTS HAVE BEEN PROVIDED ALONG THE WESTERN SIDE OF THE PARKING LOT THAT ALLOW RUNOFF TO FLOW TO THE PROPOSED BIOSWALE ALONG THE WESTERN EDGE THAT ALSO PROVIDES STORM WATER QUALITY TREATMENT BEFORE THE RUNOFF ULTIMATELY FLOWS TO THE INFILTRATION BASIN. THE ROOF WATER WILL BE PIPED DIRECTLY TO THE INFILTRATION BASIN. THE BASIN HAS BEEN SIZED TO COMPLETELY CONTAIN THE RUNOFF AND ALLOW FOR INFILTRATION OF THE STORM WATER.

PROPOSED AREA TO INFILTRATION BASIN INFILTRATION BASIN 2									
Total Site Area =		1.34 ac		58366		1.34 ac			
Total Site Area Excluding "Self-Creeding" BMPs =									
W1. POST DEVELOPMENT COVER TYPES, AREAS, CURVE NUMBERS AND RUNOFF COEFFICIENTS									
Rational Method Variables									
Cover Type		Soil Type	Area (sf)	Area (ac)	Curve Number	Runoff Coefficient (c)	(C)/Area		
Building Roof		B	9,288	0.212	95	0.95	0.21		
Concrete & Wall		B	4,686	0.108	95	0.95	0.10		
Pavement		B	28,259	0.649	95	0.95	0.62		
Road		B	0	0.000	95	0.95	0.00		
Penious		B	15,883	0.365	0.35	0.13	0.13		
Rain Garden		B	0	0.000	95	0.95	0.00		
			58,366 Total = Sum (C)/A		1.05				
			Area Total = Sum A (ac)		1.34				
		Weighted C = Sum (C)/A/Area Total		0.79					
NRCS Variables Penious									
Cover Type		Soil Type	Area (sf)	Area (ac)	Curve Number	(CN)/Area			
Lawn		B	15,883	0.365	74	27			
Rain Garden		B	0	0.000	98	0			
Penious Pavement		B	0	0.000	89	0			
		Total = Sum (CN)/A		26.98					
		Area Total = Sum A (ac)		0.36					
		Weighted CN = Sum (CN)/A/Area Total		74					
NRCS Variables Impenious									
Cover Type		Soil Type	Area (sf)	Area (ac)	Curve Number	(CN)/Area			
Building Roof		B	9,288	0.212	98	22			
Concrete		B	4,686	0.108	98	11			
Pavement		B	28,259	0.649	98	64			
Rain Garden		B	0	0.000	98	0			
		Total = Sum (CN)/A		95.62					
		Area Total = Sum A (ac)		0.98					
		Weighted CN = Sum (CN)/A/Area Total		98					
W2. STANDARD METHOD RUNOFF VOLUME CALCULATIONS									
First Flush Runoff Calculations (Vff)									
Vff=(1"/112")*(43560sf/1ac)*AC =		Vff=		3.828 cf					
W3. STANDARD METHOD RUNOFF VOLUME CALCULATIONS									
Pre-development Bankfull Runoff Calculations (Vbf-pre)									
2 y/24 hr storm event		P=		2.35 in					
Pre-development Land Cover		CN=		71					
S=(1000/CN)-10		S =		4.68 in					
Q=(P-0.2S)/2(P+0.8S)		Q =		0.42 in					
Total site area (sf) excluding self creeding		A =		58,366 sf					
Vbf-pre=Q/112/Area		Vbf-pre =		2.036 cf					
W4. STANDARD METHOD RUNOFF VOLUME CALCULATION									
Penious Cover Post-Development Bankfull Runoff Calculations (Vbf-post)									
2 y/24 hr storm event		P=		2.35 in					
Penious Cover CN from WS1		CN =		74					
S=(1000/CN)-10		S =		3.51 in					
Q=(P-0.2S)/2(P+0.8S)		Q =		0.53 in					
Penious Cover Area from WS1		A =		15,883 sf					
Vbf-post=Q/112/Area		Vbf-post =		696 cf					
W5. STANDARD METHOD RUNOFF VOLUME CALCULATION									
Impenious Cover Post-Development Bankfull Runoff Calculations (Vbf-imp-post)									
2 y/24 hr storm event		P=		2.35 in					
Impenious Cover CN from WS1		CN =		98					
S=(1000/CN)-10		S =		0.20 in					
Q=(P-0.2S)/2(P+0.8S)		Q =		2.12 in					
Impenious Cover Area from WS1		A =		42,503 sf					
Vbf-imp-post=Q/112/Area		Vbf-imp-post =		7,515 cf					
W6. STANDARD METHOD RUNOFF VOLUME CALCULATIONS									
Penious Cover Post-Development 100-yr Storm Runoff Calculations (V100-per-post)									
100-yr Storm Event		P=		5.11 in					
Penious Cover CN from WS1		CN =		74					
S=(1000/CN)-10		S =		3.51 in					
Q=(P-0.2S)/2(P+0.8S)		Q =		2.45 in					
Penious Cover Area from WS1		A =		15,883 sf					
V100-per-post=Q/112/Area		V100-per-post =		3,246 cf					
W7. STANDARD METHOD RUNOFF VOLUME CALCULATION									
Impenious Cover Post-Development 100-yr Storm Runoff Calculations (V100-imp-post)									
100-yr Storm Event		P=		5.11 in					
Impenious Cover CN from WS1		CN =		98					
S=(1000/CN)-10		S =		0.20 in					
Q=(P-0.2S)/2(P+0.8S)		Q =		4.87 in					
Impenious Cover Area from WS1		A =		42,503 sf					
V100-imp-post=Q/112/Area		V100-imp-post =		17,260 cf					
W8. STANDARD METHOD RUNOFF VOLUME CALCULATIONS									
Determine Time of Concentration for Applicable Flow Types (Tc-hrs)									
Change in									
Flow Type	K	Elevation	Length (L)	Slope (S)	S*0.5	V=KS*0.5	Tc=L/3600V		
Sheet Flow (<300')	0.48	2	100	2	1.41	0.68	0.04		
Waterway	1.2	1	10	10	3.16	3.79	0.00		
Waterway	1.2	1	10	10	3.16	3.79	0.00		
Small Tributary	2.1	1	10	10	3.16	6.64	0.00		
Small Tributary	2.1	1	10	10	3.16	6.64	0.00		
		Total Time of Concentration (Tc-hrs)=		0.04					





LEVEL 1

Scale: 1" = 16'-0"

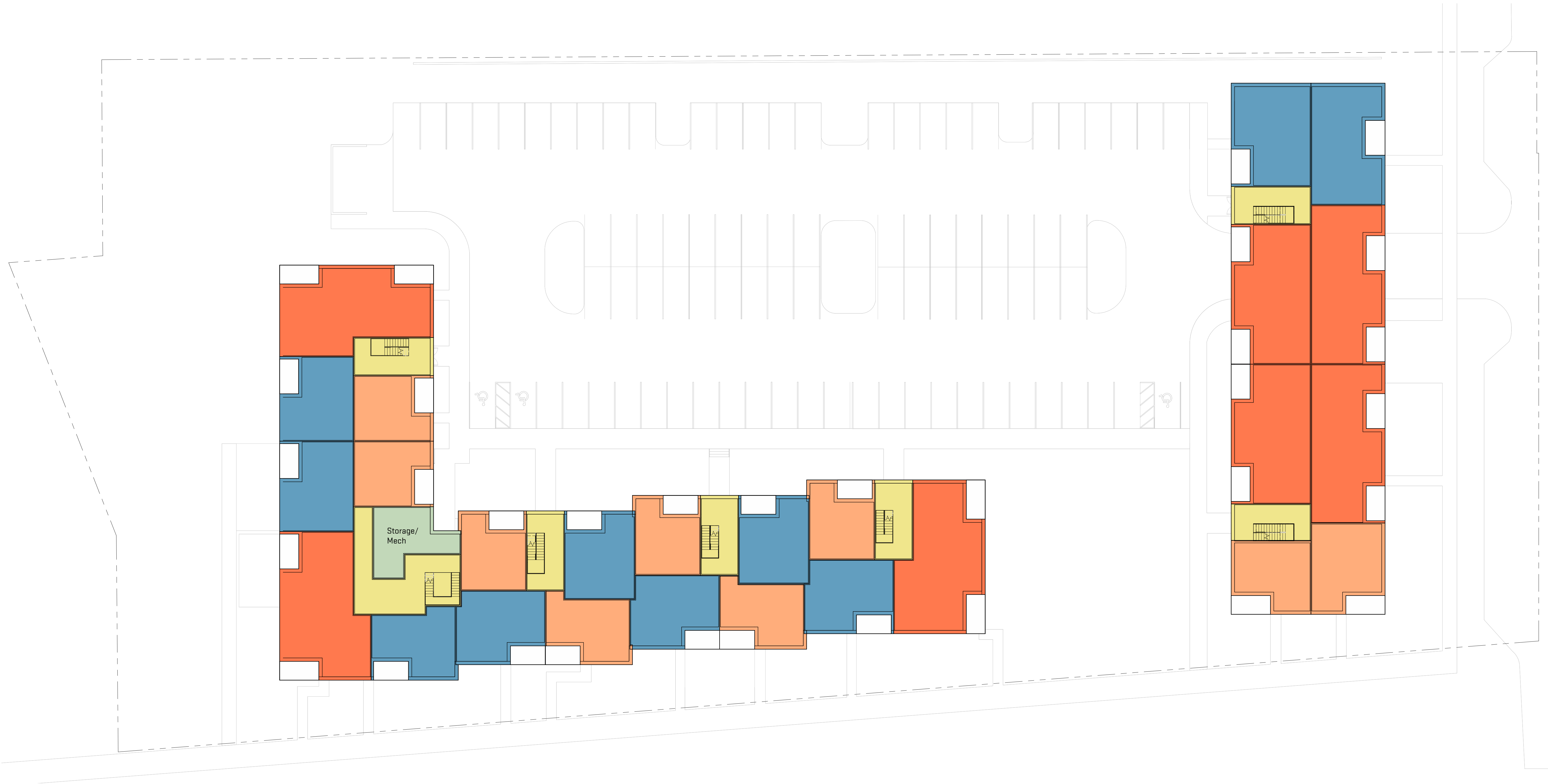
North

8' 16' 32'

Scales listed are for 22x34 drawing size

ROOM TYPE KEY			
Efficiency	1 Bed	2 Bed	
Circulation	Common		

Counts:	
Unit Count	76
Efficiency - approx. 600 sf	30
1 Bedroom - approx. 800 sf	30
2 Bedroom - approx. 1200 sf	16



LEVEL 2

Scale: 1" = 16'-0"

North

8' 16' 32'

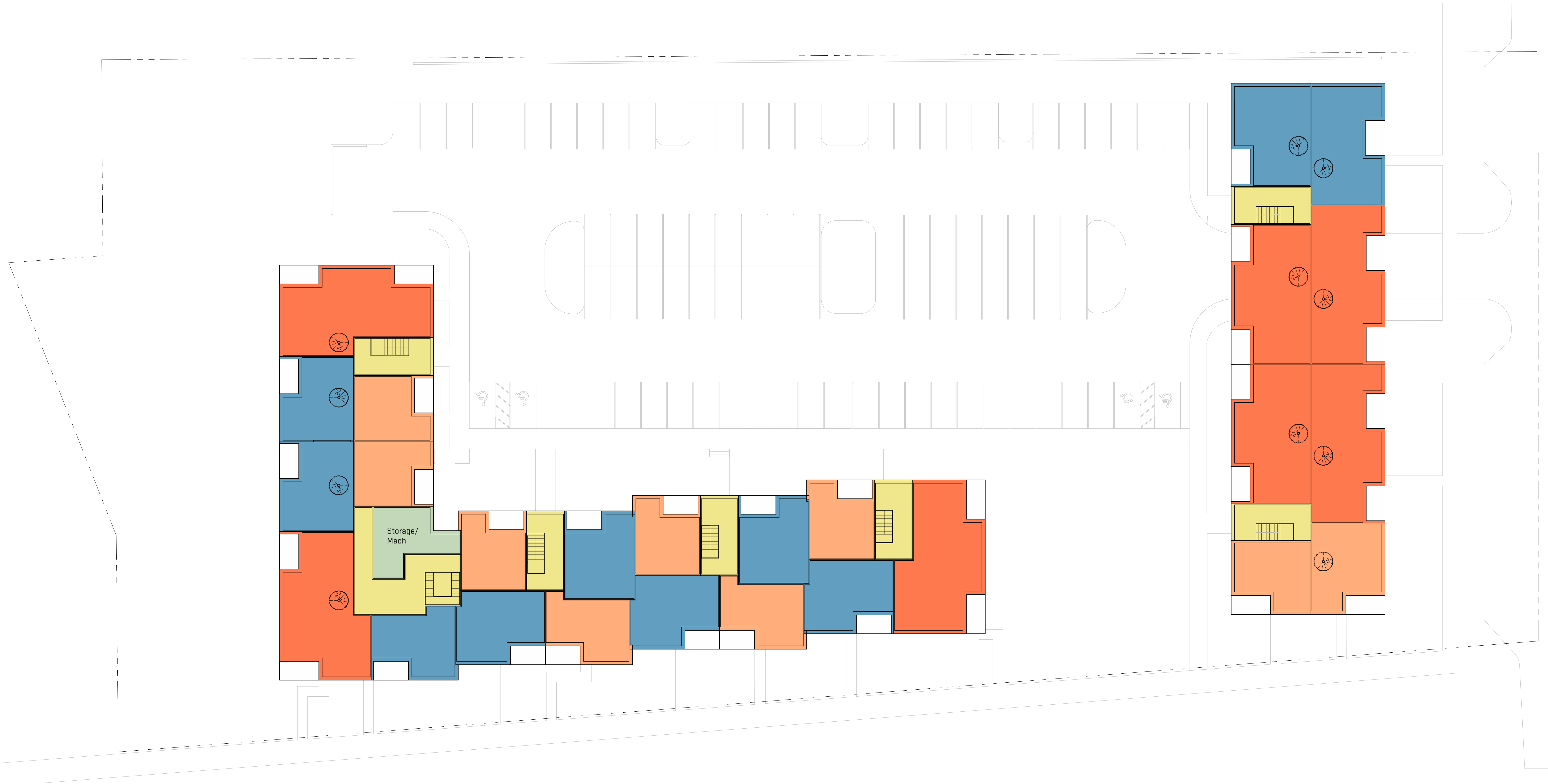
Scales listed are for 22x34 drawing size

ROOM TYPE KEY

Efficiency	1 Bed	2 Bed
Circulation	Common	

Counts:

Unit Count	
Efficiency - approx. 600 sf	30
1 Bedroom - approx. 800 sf	30
2 Bedroom - approx. 1200 sf	16



LEVEL 3

Scale: 1" = 16'-0"

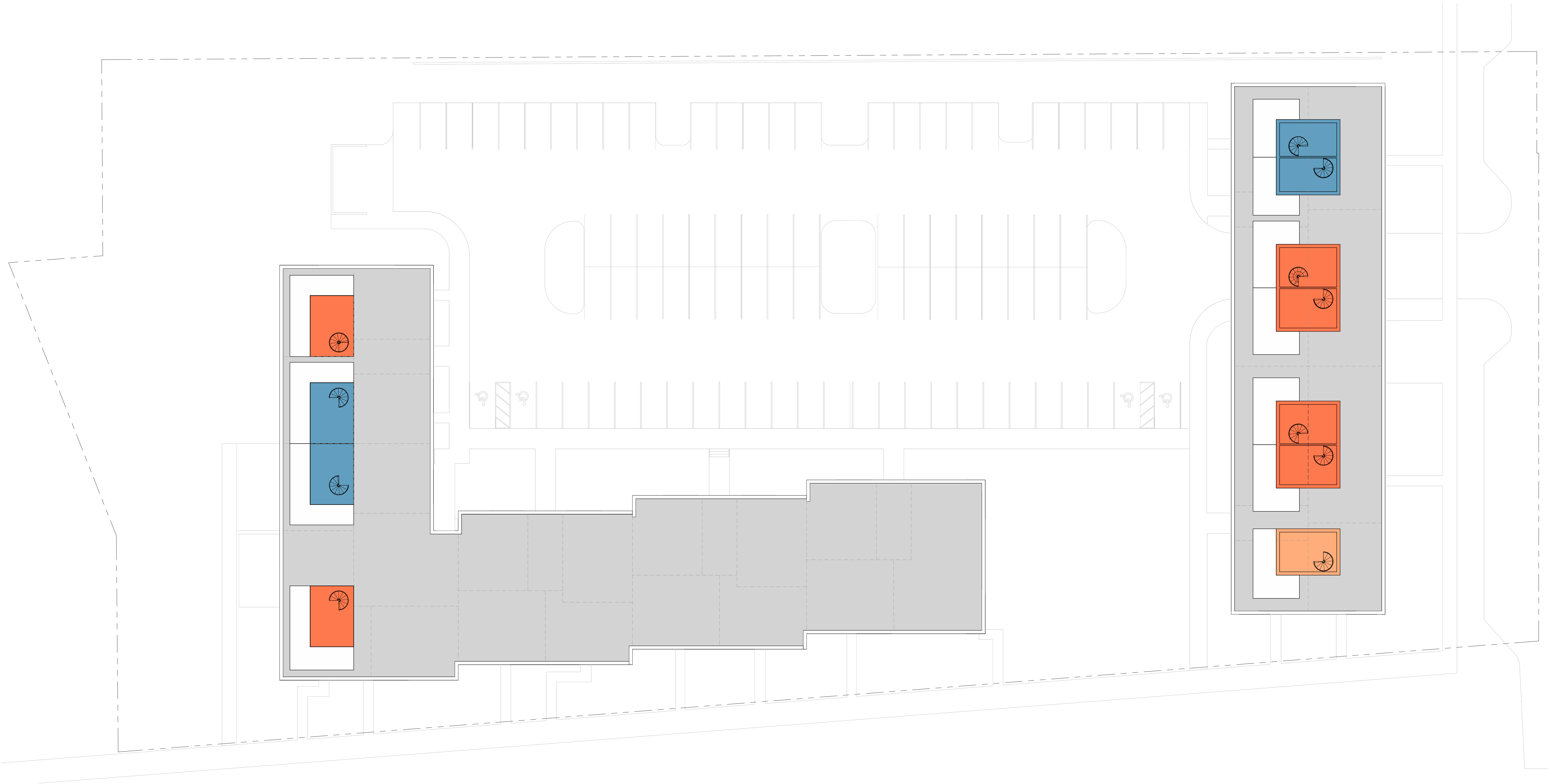
North

8' 16' 32'

Scales listed are for 22x34 drawing size

ROOM TYPE KEY			
Efficiency	1 Bed	2 Bed	
Circulation	Common		

Counts:		
Unit Count		76
Efficiency - approx. 600 sf		30
1 Bedroom - approx. 800 sf		30
2 Bedroom - approx. 1200 sf		16



LEVEL - PENTHOUSE

Scale: 1" = 16'-0"

North

8' 16' 32'

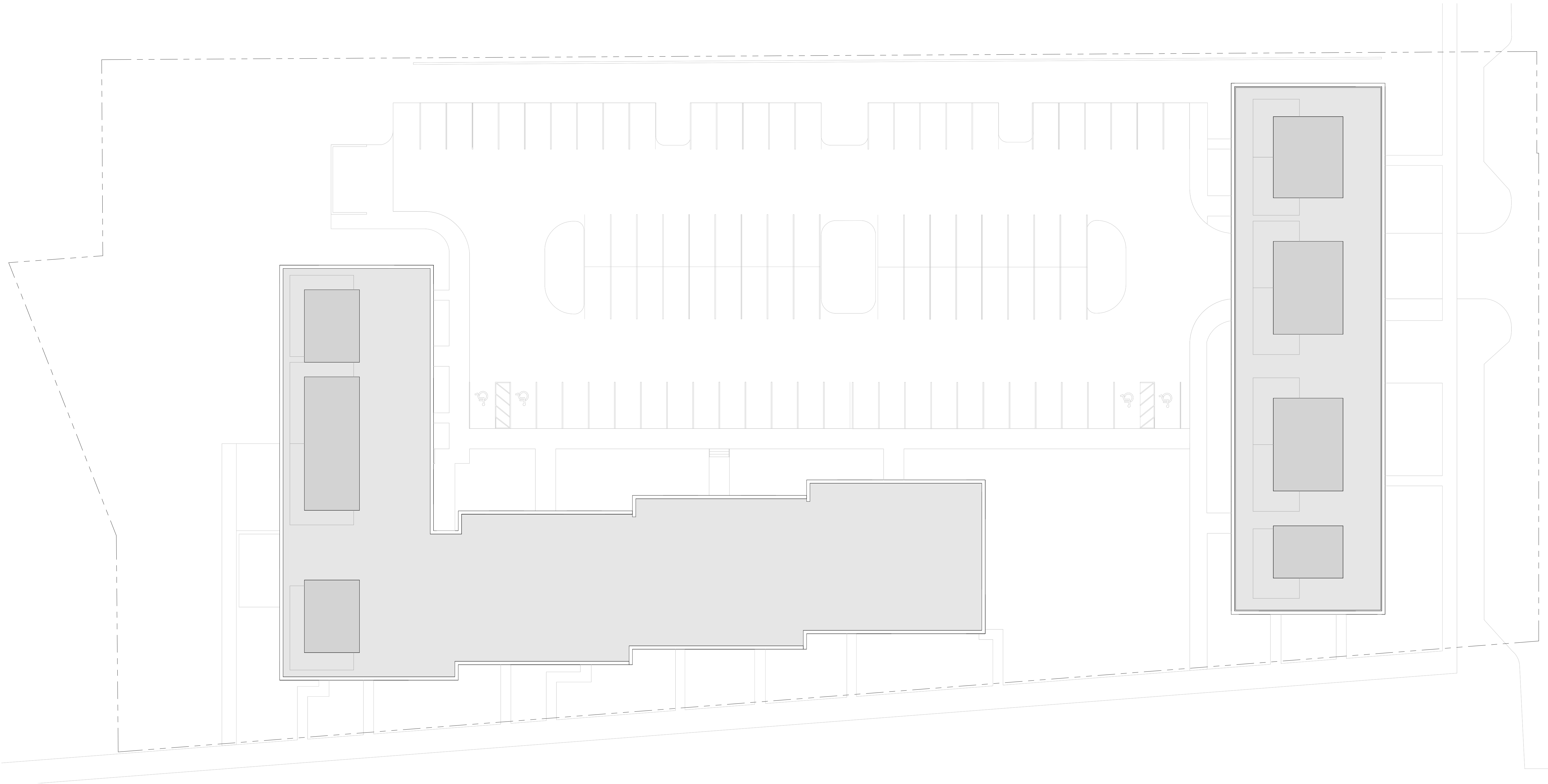
Scales listed are for 22x34 drawing size

ROOM TYPE KEY


Efficiency	1 Bed	2 Bed
Circulation	Common	

Counts:

Unit Count	76
Efficiency - approx. 600 sf	30
1 Bedroom - approx. 800 sf	30
2 Bedroom - approx. 1200 sf	16








LEVEL - ROOF

North  Scale: 1" = 16'-0"

8' 16' 32'

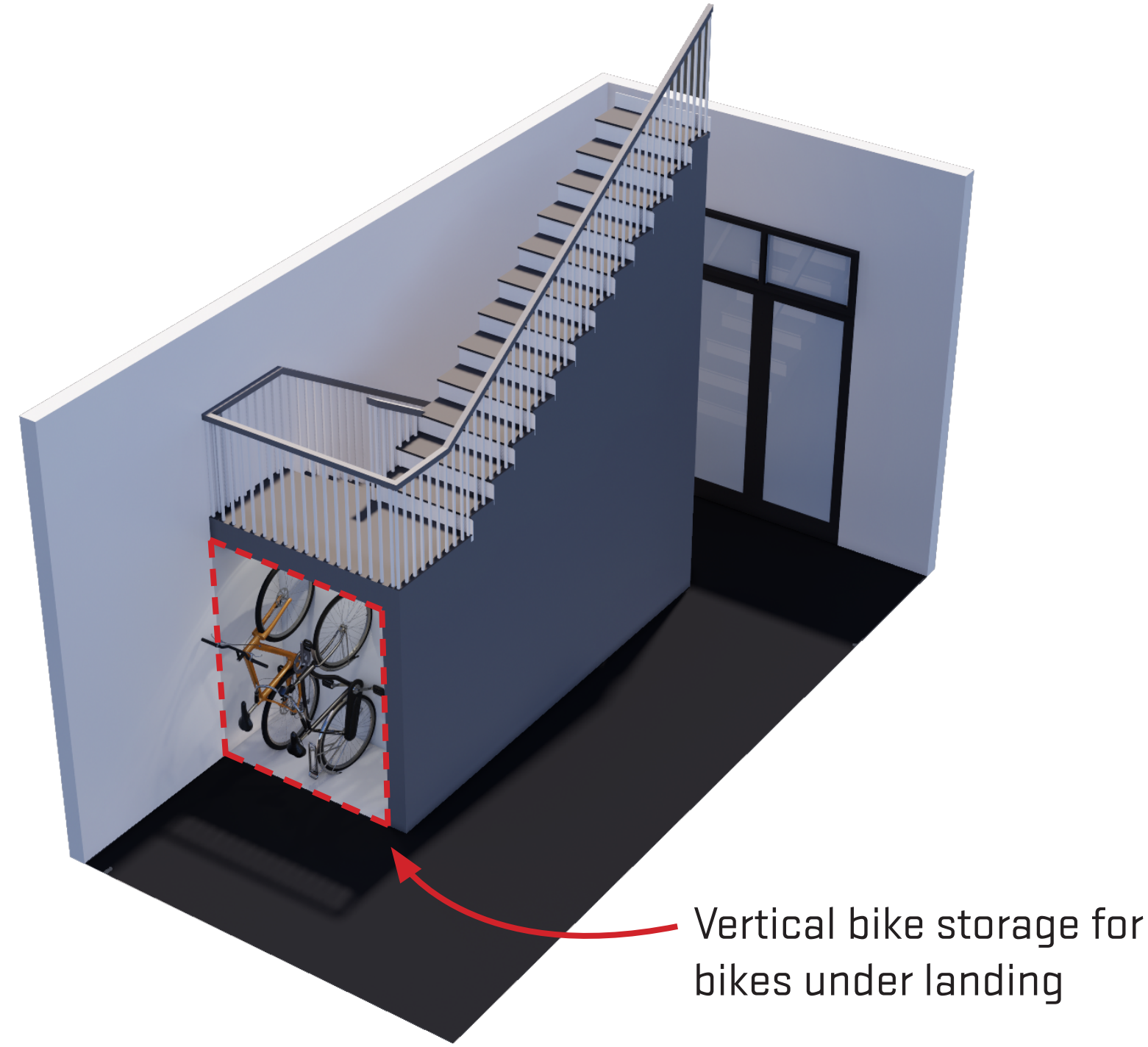
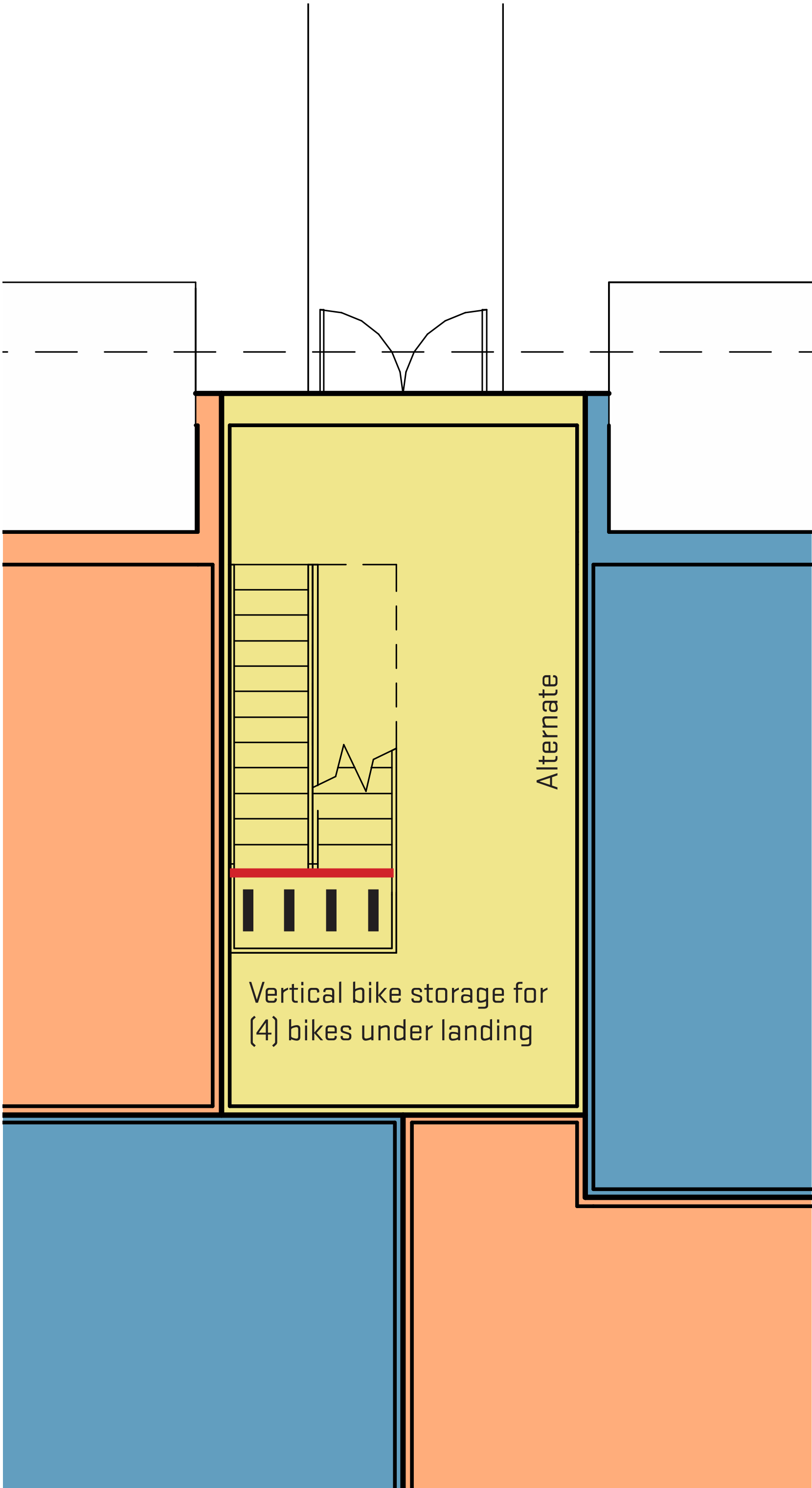
Scales listed are for 22x34 drawing size

ROOM TYPE KEY

 Efficiency	 1 Bed	 2 Bed
 Circulation	 Common	

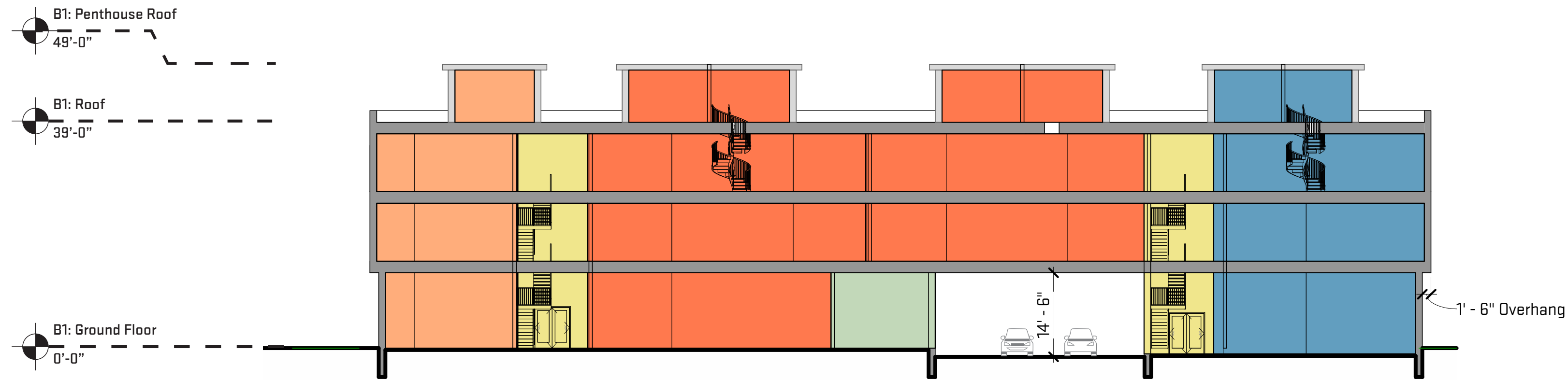


Vertical Bike Storage



Alternate

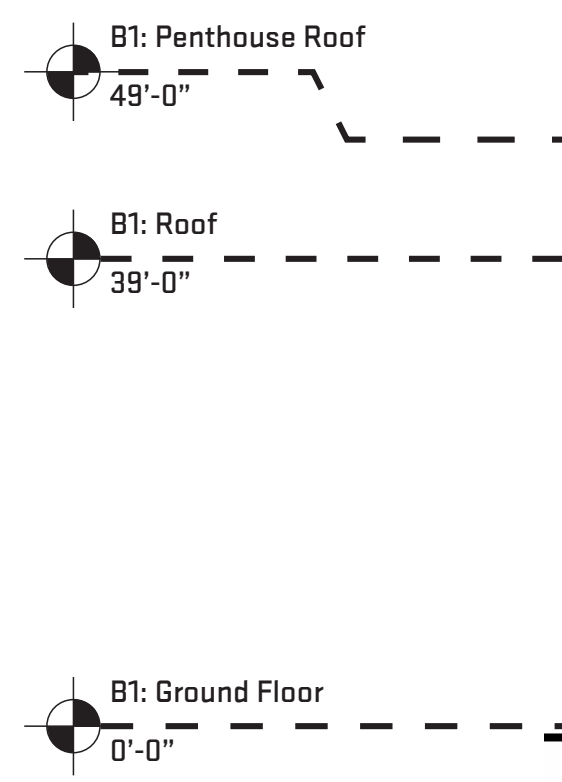
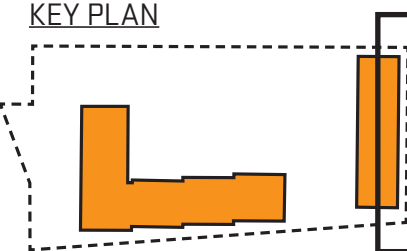




BUILDING "1" - SOUTH ELEVATION



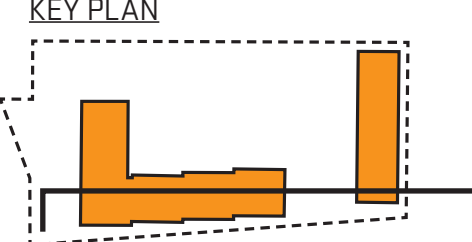
KEY PLAN



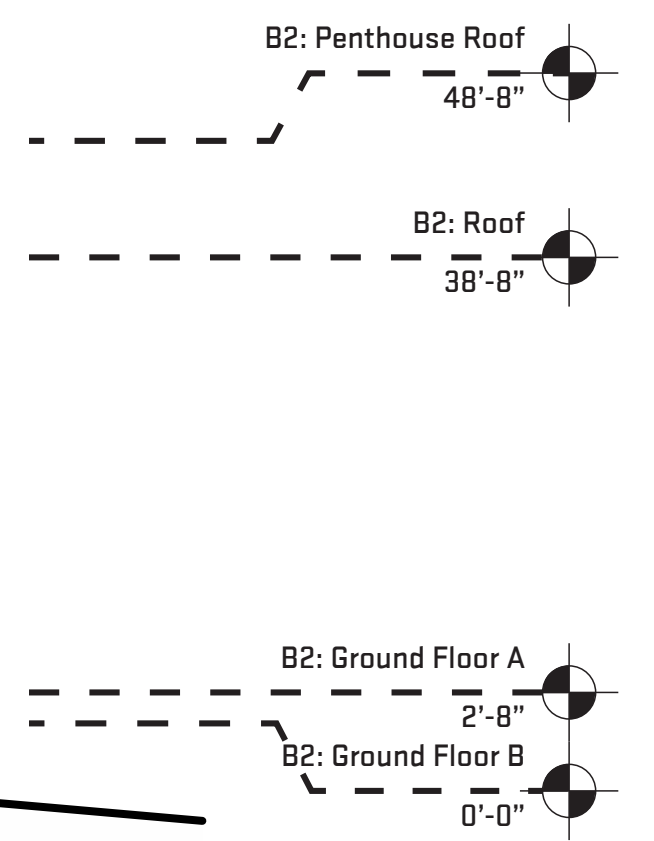
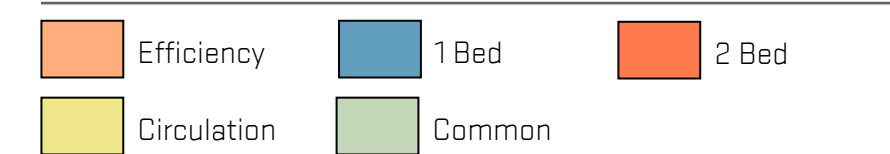
BUILDING "2" - NORTH ELEVATION



KEY PLAN



ROOM TYPE KEY

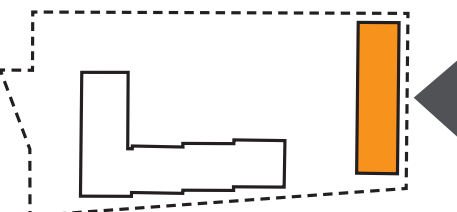




BUILDING "1" - NORTH ELEVATION

4' 8' 16' 1/8" = 1'-0"

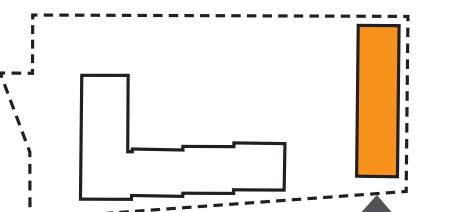
KEY PLAN



BUILDING "1" - EAST ELEVATION

4' 8' 16' 1/8" = 1'-0"

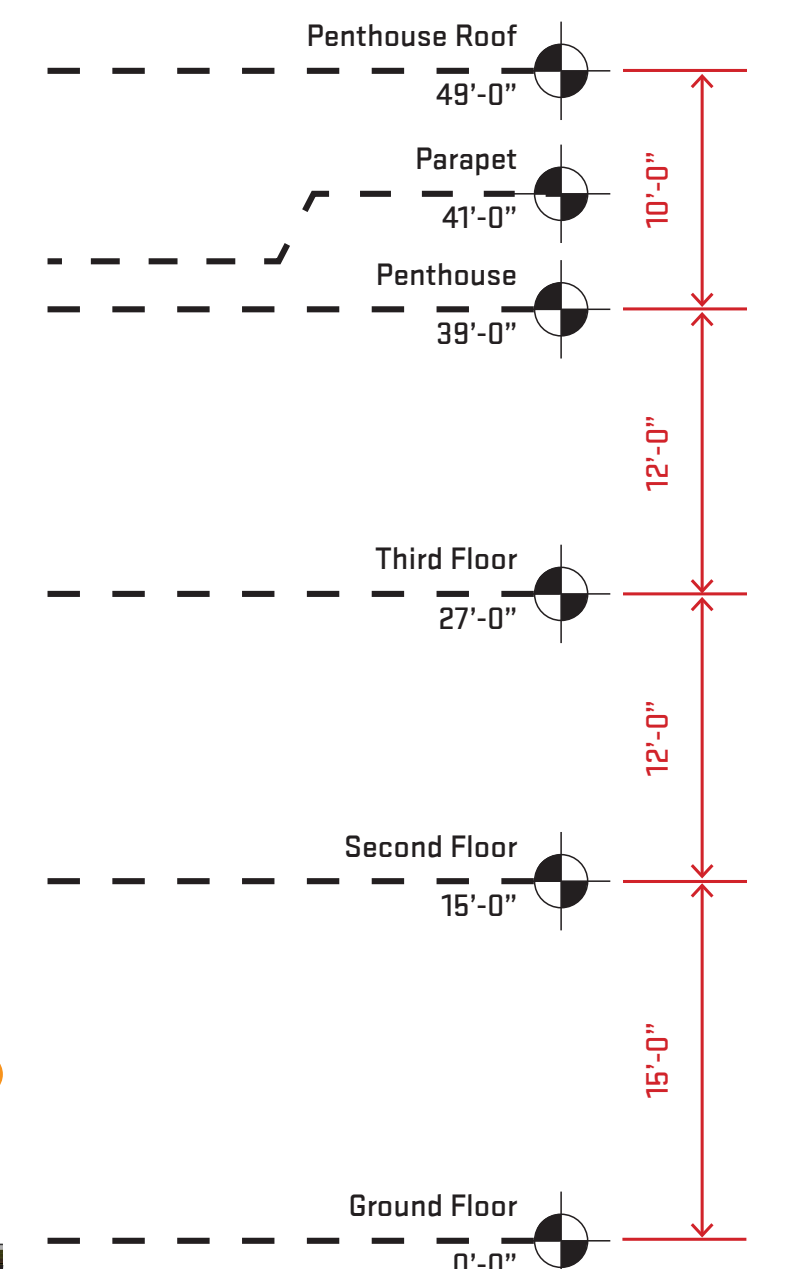
KEY PLAN



BUILDING "1" - WEST ELEVATION

4' 8' 16' 1/8" = 1'-0"

KEY PLAN



ELEVATION MATERIAL KEY

- | | |
|--------------------------------|---|
| ① Cementitious Siding Dark | ⑤ Aluminum Clad Casement Window Black |
| ② Cementitious Siding Medium | ⑥ Composite Pergola |
| ③ Cementitious Siding Light | ⑦ Metal Railing |
| ④ Panelized Base | ⑧ Aluminum Storefront |

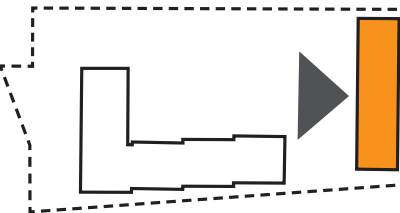
Scales listed are for
22x34 drawing size



BUILDING "1" - SOUTH ELEVATION

KEY PLAN

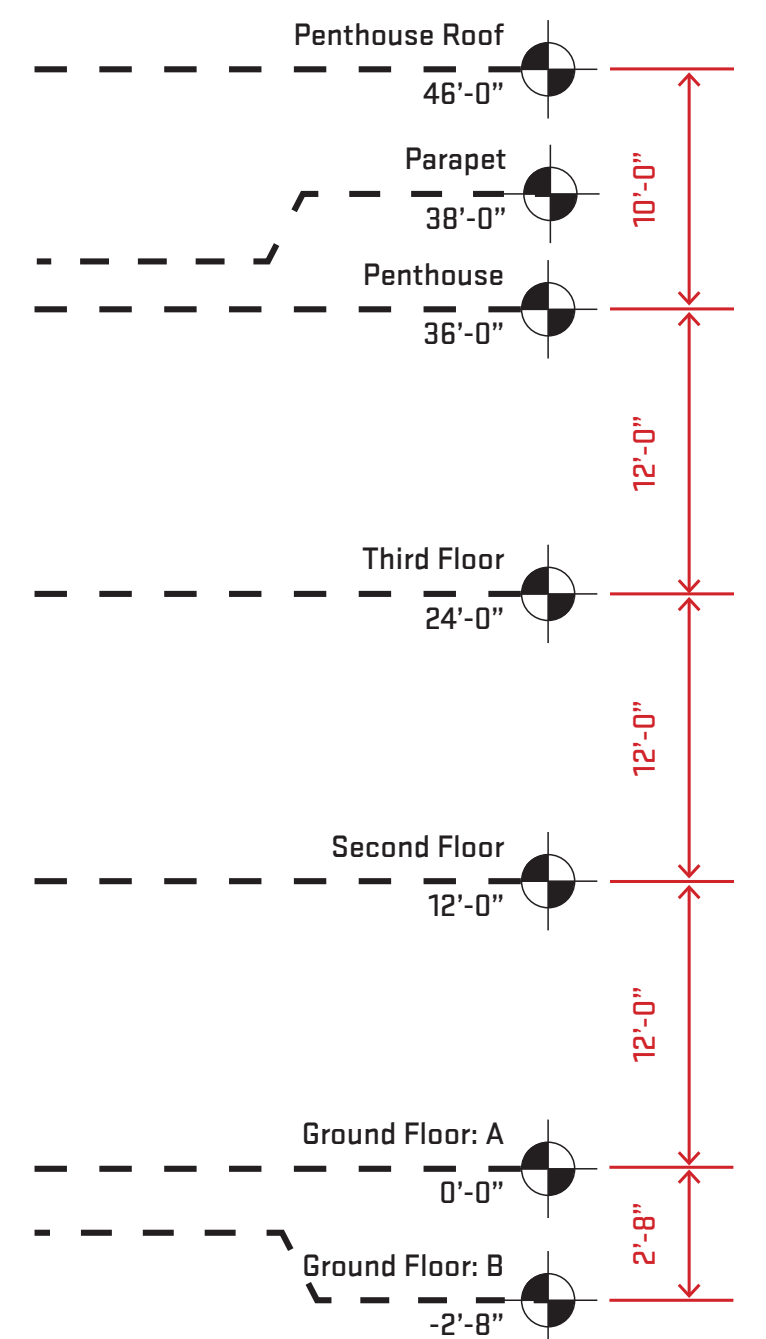
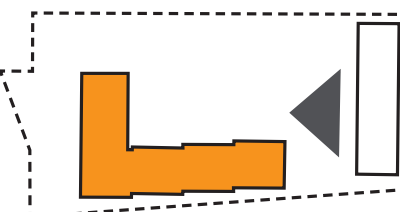
4' 8' 16' 1/8" = 1'-0"



BUILDING "2" - NORTH ELEVATION

KEY PLAN

4' 8' 16' 1/8" = 1'-0"



ELEVATION MATERIAL KEY

- | | |
|--------------------------------|---|
| ① Cementitious Siding Dark | ⑤ Aluminum Clad Casement Window Black |
| ② Cementitious Siding Medium | ⑥ Composite Pergola |
| ③ Cementitious Siding Light | ⑦ Metal Railing |
| ④ Panelized Base | ⑧ Aluminum Storefront |

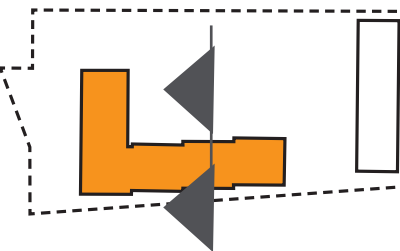




BUILDING "2" - NORTH ELEVATION

4' 8' 16' 1/8" = 1'-0"

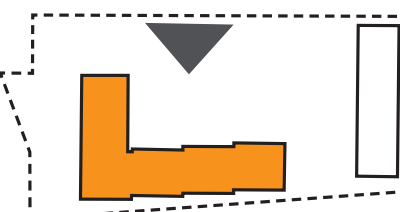
KEY PLAN



BUILDING "2" - WEST ELEVATION

4' 8' 16' 1/8" = 1'-0"

KEY PLAN



ELEVATION MATERIAL KEY

- | | |
|--------------------------------|---|
| ① Cementitious Siding Dark | ⑤ Aluminum Clad Casement Window Black |
| ② Cementitious Siding Medium | ⑥ Composite Pergola |
| ③ Cementitious Siding Light | ⑦ Metal Railing |
| ④ Panelized Base | ⑧ Aluminum Storefront |

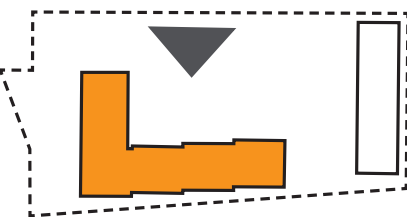




BUILDING "2" - WEST ELEVATION

KEY PLAN

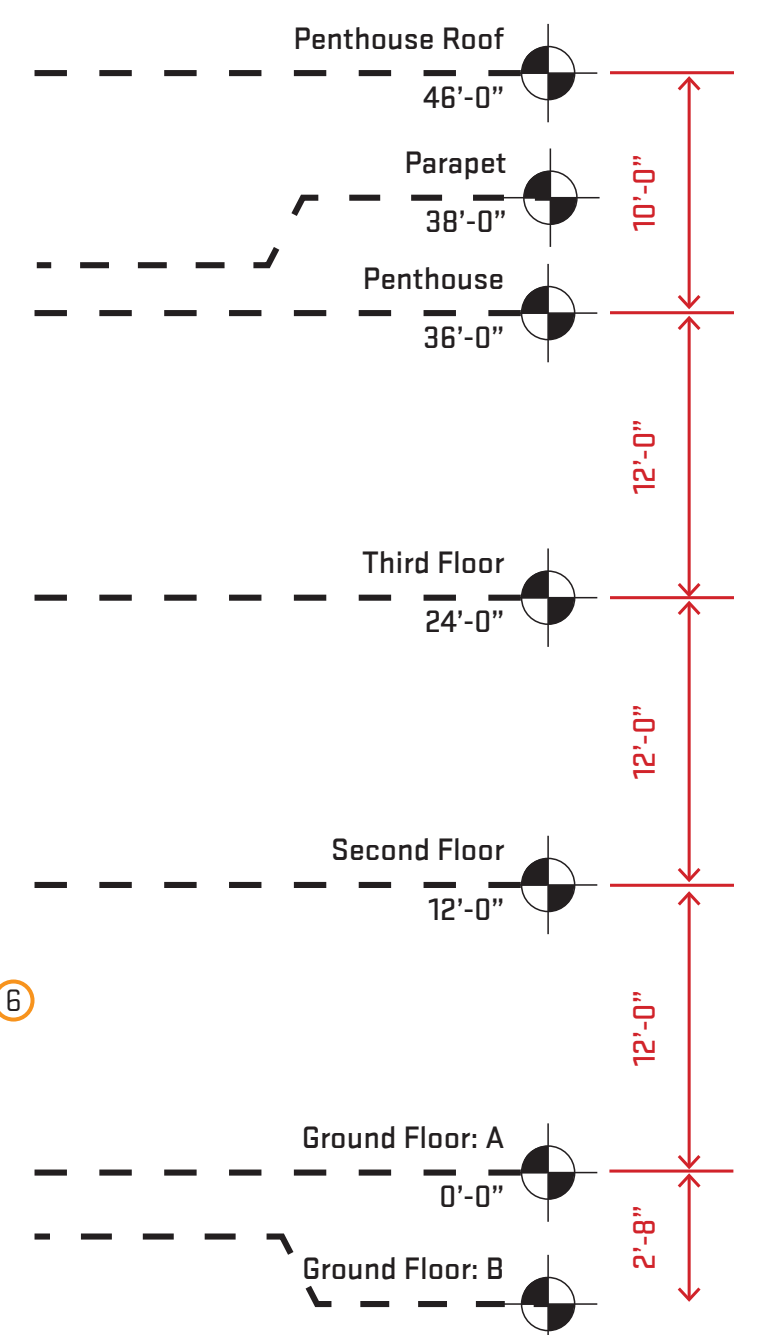
4' 8' 16' 1/8" = 1'-0"



BUILDING "2" - SOUTH ELEVATION

KEY PLAN

4' 8' 16' 1/8" = 1'-0"



ELEVATION MATERIAL KEY

- | | |
|--------------------------------|---|
| ① Cementitious Siding Dark | ⑤ Aluminum Clad Casement Window Black |
| ② Cementitious Siding Medium | ⑥ Composite Pergola |
| ③ Cementitious Siding Light | ⑦ Metal Railing |
| ④ Panelized Base | ⑧ Aluminum Storefront |











